

FORESTS AND FOREST PRODUCTS

No. 621.—FORESTS: ESTIMATED ORIGINAL AND PRESENT AREAS, GROWING AREA, ANNUAL GROWTH, AND PRESENT STAND, BY REGIONS

[NOTE.—Estimates of present area relate to 1922, of stand of timber and annual growth to 1920 or about that year. These data are necessarily approximate. Annual growth relates to acreage specified as growing area, other areas having no growth in excess of decay.]

	Original area (thousand acres)	Present area (thousand acres) ¹					
		Total	Saw timber			Cord-wood (growing)	Non-restocking
			Total	Virgin	Growing		
Total	822,238	489,475	251,916	138,160	113,756	130,359	51,200
New England ²	38,908	25,708	11,261	2,000	9,261	8,872	5,575
Middle Atlantic ³	69,610	28,678	11,455	1,895	9,559	10,798	6,430
Lake ⁴	103,680	57,100	24,030	10,100	13,930	12,570	20,599
Central ⁵	170,560	60,182	31,901	7,000	24,901	26,011	2,270
South Atlantic and East Gulf ⁶	170,240	99,000	45,200	18,300	27,900	32,080	20,720
Lower Mississippi ⁷	128,400	78,865	41,035	20,835	20,200	24,075	13,755
Rocky Mountain ⁸	63,720	60,842	41,059	37,746	3,313	14,533	5,250
Pacific Coast ⁹	77,120	59,100	44,975	39,683	5,292	7,425	6,700

	Stand of saw timber (millions of board feet)			Annual growth in growing area		
	Total	Hard-wood	Soft-wood	Saw timber (millions of board feet)	Cord-wood (millions of cubic feet)	Total (millions of cubic feet)
Total	2,214,898	469,675	1,755,218	9,672	3,877	6,995
New England ²	49,799	11,319	38,480	609	341	474
Middle Atlantic ³	44,857	29,504	15,353	714	342	499
Lake ⁴	110,110	69,350	40,760	983	251	468
Central ⁵	144,470	133,152	11,318	1,458	587	905
South Atlantic and East Gulf ⁶	220,577	83,750	136,827	2,428	1,062	1,594
Lower Mississippi ⁷	250,908	132,600	118,308	1,752	600	983
Rocky Mountain ⁸	223,141	223,141	0	461	264	365
Pacific Coast ⁹	1,141,031	0	1,141,031	1,282	430	706

¹ Revised October, 1922.

² Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut.

³ New York, New Jersey, Pennsylvania, Delaware, and Maryland.

⁴ Michigan, Wisconsin, and Minnesota.

⁵ Ohio, Indiana, Illinois, West Virginia, Kentucky, Tennessee, Iowa, Missouri, eastern Kansas, and

South Carolina, Georgia, Florida, and Alabama.

⁶ Louisiana, eastern Texas, and eastern Oklahoma.

⁷ Idaho, Montana, Wyoming, Colorado, western South Dakota (Black Hills), New Mexico, Arizona, Utah, and Nevada.

⁸ California, Oregon, and Washington.

Source: Report of the Forest Service, Department of Agriculture, on Senate Resolution 311.

No. 622.—STAND OF SAW TIMBER (ESTIMATED): ABOUT 1920

[Quantities in millions board feet, lumber tally]

Species	Total	New England	Middle Atlantic	Lake	Central	South Atlantic and East Gulf	Lower Mississippi	Rocky Mountain	Pacific coast
Grand total	2,214,893	49,799	44,857	110,110	144,470	220,577	280,908	223,141	1,141,031
Eastern hardwoods, total	459,575	11,319	29,504	69,350	133,152	83,750	132,600	-----	-----
Oak.....	157,372	1,510	5,500	8,301	64,712	27,889	49,460	-----	-----
Birch, beech, and maple.....	90,784	8,143	16,897	36,076	20,505	4,522	4,041	-----	-----
Red gum.....	44,222	-----	175	-----	3,728	13,400	26,918	-----	-----
Chestnut.....	19,319	960	3,754	-----	7,989	6,616	-----	-----	-----
Hickory.....	15,784	40	412	187	6,791	3,183	5,171	-----	-----
Cottonwood and aspen.....	10,824	374	13	999	2,131	1,340	5,067	-----	-----
Ash.....	9,988	215	513	1,893	2,029	1,256	3,182	-----	-----
Yellow poplar.....	9,611	-----	126	7	5,163	4,020	265	-----	-----
Others.....	101,771	77	2,113	21,887	19,174	21,524	36,096	-----	-----
Eastern softwoods, total	391,046	38,480	15,353	40,760	11,318	136,897	148,309	-----	-----
Southern yellow pine.....	267,691	-----	-----	-----	365	121,442	135,884	-----	-----
Hemlock.....	30,896	1,804	5,036	18,301	3,910	1,845	-----	-----	-----
Spruce and fir.....	31,672	23,971	2,948	3,772	-----	1,881	-----	-----	-----
Cypress.....	22,921	-----	-----	-----	-----	11,208	11,713	-----	-----
White and Norway pine.....	23,457	9,816	4,037	8,000	515	1,089	-----	-----	-----
Others.....	24,500	2,889	1,332	10,687	16,523	362	711	-----	-----
Western softwoods, total	1,364,172	-----	-----	-----	-----	-----	-----	223,141	1,141,031
Douglas fir.....	595,505	-----	-----	-----	-----	-----	-----	36,934	558,571
Western yellow pine and Jeffrey pine.....	249,578	-----	-----	-----	-----	-----	-----	00,125	183,453
Western hemlock.....	95,092	-----	-----	-----	-----	-----	-----	1,002	94,000
True firs.....	91,349	-----	-----	-----	-----	-----	-----	8,870	82,479
Redwood.....	72,208	-----	-----	-----	-----	-----	-----	-----	72,208
Western white pine and sugar pine.....	57,071	-----	-----	-----	-----	-----	-----	18,586	38,485
Western red cedar.....	53,348	-----	-----	-----	-----	-----	-----	4,348	49,000
Lodgepole pine.....	43,919	-----	-----	-----	-----	-----	-----	39,353	4,566
Spruce.....	39,822	-----	-----	-----	-----	-----	-----	26,467	13,355
Others.....	66,280	-----	-----	-----	-----	-----	-----	21,366	44,914

¹ Includes small amounts of spruce, cypress, and various species of yellow pine.

No. 623.—NATIONAL GOVERNMENT FORESTS: AREA AND STANDING TIMBER, 1925

[NOTE.—Figures include acreage actually acquired under the Weeks law, see Table 625. There were in 1925, 11,189,605 acres of State forests, including Hawaiian forest reserves, State parks, and other forest lands belonging to States; also 697,447 acres of municipal and county forests and parks.]

State	Net area (acres)	Standing timber		State	Net area (acres)	Standing timber	
		Saw timber (million board feet)	Cord-wood (1,000 cords)			Saw timber (million board feet)	Cord-wood (1,000 cords)
Total	158,395,056	552,339	91,142	Nevada.....	4,977,106	268	6,613
Alabama.....	120,404	124	34	New Hampshire.....	407,252	1,027	-----
Alaska.....	21,334,274	84,760	-----	New Jersey.....	6,785	3	(¹)
Arizona.....	11,234,670	14,365	11,427	New Mexico.....	8,482,315	11,187	13,443
Arkansas.....	963,287	1,799	-----	New York.....	15,954	3	(¹)
California.....	19,143,640	100,399	24,771	North Carolina.....	365,658	421	2,727
Colorado.....	13,249,150	22,167	5,694	Oklahoma.....	61,480	-----	-----
Florida.....	342,771	182	1,288	Oregon.....	13,199,388	138,266	-----
Georgia.....	238,538	338	4,455	Pennsylvania.....	124,135	17	134
Idaho.....	19,071,962	46,993	6,017	Porto Rico.....	12,443	-----	-----
Illinois.....	10,710	10	-----	South Carolina.....	33,748	73	83
Kentucky.....	22,660	10	-----	South Dakota.....	1,064,252	2,508	831
Maine.....	32,256	57	-----	Tennessee.....	207,939	567	719
Massachusetts.....	4,725	1	6	Utah.....	7,455,070	5,225	0,707
Michigan.....	126,762	9	37	Virginia.....	516,597	320	877
Minnesota.....	991,106	850	6,349	Washington.....	9,714,238	77,155	-----
Montana.....	15,872,610	28,495	-----	West Virginia.....	219,125	75	143
Nebraska.....	205,945	-----	-----	Wyoming.....	8,500,101	14,447	2,513

¹ Less than 500 cords.

Source of Tables 622 and 623: Forest Service, Department of Agriculture.

No. 824.—NATIONAL GOVERNMENT FORESTS: AREA OF EACH FOREST, 1925

[NOTE.—Net area is gross area less area of alienated lands]

State and forest	Net area	State and forest	Net area	State and forest	Net area
<i>Acres</i>		<i>Acres</i>		<i>Acres</i>	
Aggregate (159 national forests)	158,395,056	Idaho—Continued.		Oregon—Continued.	
Alabama:		Kaniksus ²	186,874	Fremont	849,264
Alabama	1,105,054	Lemhi	1,354,747	Klamath ²	8,723
McClellan	15,350	Minidoka ²	521,044	Malheur	1,048,666
Alaska:		Nez Perce	1,658,759	Mount Hood	1,058,879
Chugach	4,702,060	Payette	1,204,150	Ochoco	770,994
Tongass	16,542,214	Pend Oreille	674,579	Santiam	610,918
Arizona:		St. Joe	551,170	Siskiyou ²	1,032,733
Apache ²	677,351	Salmon	1,064,023	Siuslaw	547,436
Cocconino	1,716,898	Sawtooth	1,158,259	Umatilla ²	915,401
Coronado ²	1,336,077	Selway	1,689,157	Umpqua	1,009,637
Crook	1,398,814	Targhee ²	1,030,847	Wallowa	957,240
Kaibab	769,894	Weiser	565,945	Whitman	1,319,035
Prescott	1,164,968		22,660		
Sitgreaves	639,635	Mountain ²	32,256		103,265
Tonto	2,259,865	Maryland: Meade	4,725		20,870
Tusayan	1,271,170	Michigan: Michigan	126,762		12,443
Arkansas:		Minnesota:		Jackson	20,225
Arkansas	1,603,378	Minnesota	190,945	Nantahala ²	19,523
Ozark	1,299,909	Superior	800,161	South Dakota:	
California:		Montana:		Black Hills ²	482,025
Angelo	829,499	Absaroka	841,086	Custer ²	73,526
California	820,105	Beartooth	659,919	Harney	508,701
Cleveland	549,575	Beaverhead	1,339,273	Tennessee:	
Crater ²	48,218	Bitterroot	1,047,071	Cherokee ²	141,628
Eldorado ²	552,518	Blackfeet	836,967	Pisgah ²	19,247
Inyo ²	1,636,750	Cabinet	829,077	Unaka ²	107,064
Klamath	1,525,257	Custer ²	517,267	Utah:	
Lassen	943,366	Deerlodge	829,158	Ashley ²	979,739
Modoc	1,462,632		1,721,478	Cache ²	232,803
Mono ²	795,786		575,189	Dixie ²	705,884
Plumas	1,109,864		681,291	Fishlake	1,362,600
Santa Barbara	2,022,126		1,040,636	La Sal ²	504,291
Sequoia	1,450,484		1,331,513	Manti	723,897
Shasta	853,786		1,310,731	Minidoka ²	70,155
Sierra	1,493,400	Lolo	850,677	Powell	1,050,462
Siskiyou ²	329,384	Madison	931,020	Uinta	1,076,978
Stanislaus	810,657	Missoula	1,030,257	Wasatch	608,261
Tahoe ²	500,306	Nebraska: Nebraska	205,945	Virginia:	
Trinity	1,410,027	Nevada:		Eustis	4,220
Colorado:		Dixie ²	56,324	Humphreys	3,184
Arapahoe	635,900	Eldorado ²	300	Lee	7,177
Cochetopa	908,787	Humboldt	1,324,170	Monongahela ²	10,414
Colorado	828,403	Inyo ²	60,376	Natural Bridge	142,721
Grand Mesa	659,264	Mono ²	464,102	Shenandoah ²	303,750
Gunnison	905,156	Nevada	1,176,222	Unaka ²	45,131
Hayden ²	65,769	Tahoe ²	13,853	Washington:	
Holy Cross	1,124,329	Toiyabe	1,882,659	Chelan	1,835,855
La Sal ²	26,631	New Hampshire:		Columbia	764,026
Leadville	927,444	White Mountain ²	407,252	Colville	746,135
Montezuma	693,583	New Jersey: Dix	6,785	Kaniksus ²	257,007
Pike	1,064,036	New Mexico:		Mount Baker	1,460,097
Rio Grande	1,135,778	Apache ²	886,897	Olympic	1,530,867
Routt	748,558	Carson	1,067,092	Rainier	1,276,954
	508,936	Coronado ²	125,352	Snqualmie	689,574
	1,239,361	Dartl	1,754,161	Umatilla ²	313,439
	778,341	Gila	1,590,215	Wenatchee	838,184
	894,974	Lincoln	1,114,127	West Virginia:	
Florida: Florida	342,771	Manzano	668,051	Monongahela ²	160,488
Georgia:		Santa Fe	1,270,450	Shenandoah ²	58,637
Benning	78,590	New York:		Wyoming:	
Cherokee ²	70,196	Pine Plains	9,800	Ashley	6,460
Nantahala ²	89,782	Upton	6,154	Big Horn	1,125,632
Idaho:		North Carolina:		Black Hills ²	144,416
Boise	1,062,693	Nantahala ²	116,781	Caribou ²	6,315
Cache ²	494,149	Pisgah ²	248,877	Hayden ²	328,124
Caribou ²	698,254	Oklahoma: Wichita	61,450	Medicine Bow	550,911
Challis	1,253,519	Oregon:		Shoshone	1,583,986
Clearwater	785,376	Cascade	1,023,510	Targhee ²	345,570
Coeur d'Alene	661,682	Crater ²	805,049	Teton	1,880,812
Idaho	1,856,722	Deschutes	1,294,743	Washakie	860,326
				Wyoming	1,667,540

¹ Figures include acreage actually acquired under the Weeks law. See Table 625.² Forest lies in more than one State.

Source: Forest Service, Department of Agriculture.

No. 625.—NATIONAL GOVERNMENT FORESTS: LANDS ACQUIRED OR APPROVED FOR PURCHASE UNDER WEEKS LAW, TO JUNE 30, 1925

State and area	Total area approved for purchase	Area acquired	Area approved but not acquired	State and area	Total area approved for purchase	Area acquired	Area approved but not acquired
Grand total	<i>Acres</i> 2,594,078	<i>Acres</i> 2,212,236	<i>Acres</i> 371,792	Pennsylvania: Allegheny.....	<i>Acres</i> 186,588	<i>Acres</i> 103,206	<i>Acres</i> 83,322
Alabama: Alabama.....	193,199	87,305	5,864	South Carolina: Savannah (part).....	42,134	10,523	22,611
Arkansas, total.....	176,199	59,337	16,862	Tennessee, total.....	336,697	267,959	69,758
Arkansas.....	38,976	37,900	1,076	Cherokee (part).....	187,740	141,628	46,121
Ozark.....	37,223	21,437	15,786	Unaka (part).....	94,390	71,865	23,525
Georgia, total.....	200,049	159,979	39,070	White Top (part).....	54,558	54,446	112
Georgia.....	110,266	70,196	39,070	Virginia, total.....	579,327	322,016	77,311
Savannah (part).....	89,783	89,783	-----	Massanutten.....	59,167	59,167	-----
Maine: White Mountain (part).....	32,256	32,256	-----	Monongahela (part).....	10,414	10,414	-----
New Hampshire: White Mountain (part).....	430,568	407,252	23,316	Natural Bridge.....	150,996	142,721	14,275
North Carolina, total.....	378,175	354,289	23,886	Potomac (part).....	43,165	42,892	273
Boone.....	61,214	54,739	6,475	Shenandoah (part).....	269,010	201,691	61,319
Cherokee (part).....	6,197	-----	6,197	White Top (part).....	46,575	45,131	1,444
Mount Mitchell.....	77,786	77,726	60	West Virginia, total.....	228,816	219,124	9,792
Nantahala.....	175,254	75,045	209	Monongahela (part).....	166,861	160,488	6,373
Pisgah.....	198,513	88,248	10,265	Potomac (part).....	38,548	35,452	3,096
Unaka (part).....	20,148	20,097	51	Shenandoah (part).....	23,507	23,184	323
Savannah (part).....	39,063	38,434	629				

¹ Figures do not include land created national forest from the so-called Olmstead lands in North Carolina, transferred from Agriculture by the act of July 6, 1912.

Source: Reports of the National Forest Reservation Commission.

No. 626.—NATIONAL GOVERNMENT FORESTS: OPERATIONS, YEARS ENDED JUNE 30

	1910	1920	1921	1922	1923	1924
Timber sales:						
Number.....	12,592	13,272	¹ 13,690	¹ 12,926	¹ 12,720	13,382
Quantity..... M ft. ³	793,900	1,326,922	1,276,991	1,878,464	3,146,736	1,333,264
Timber cut under sales.....do.....	704,760	896,131	¹ 687,922	¹ 876,973	¹ 1,055,035	1,093,278
Free timber given:						
Number of users.....	34,617	37,336	¹ 40,535	¹ 37,158	¹ 34,032	35,568
Timber cut..... M ft. ³	90,798	88,060	123,245	88,510	95,985	89,307
Value.....dolls.....	113,117	113,060	117,054	98,843	97,934	93,900
Grazing, kinds of stock:¹						
Cattle.....do.....No.....	2,135,527	2,033,801	¹ 1,999,680	¹ 1,882,491	¹ 1,804,274	1,664,087
Goats.....do.....	60,730	53,635	43,574	36,153	31,379	29,068
Hogs.....do.....	5,154	4,066	2,453	2,149	1,347	1,680
Horses.....do.....	93,251	83,015	78,115	67,856	64,104	58,184
Sheep.....do.....	7,935,174	7,271,136	6,936,377	6,497,912	6,377,759	6,901,808
Revenue, total.....dolls.....	4,366,415	4,793,482	4,151,931	3,421,631	5,335,818	5,251,903
From—						
Timber.....do.....	1,534,941	2,044,600	1,769,943	1,513,171	2,721,876	3,036,396
Water power.....do.....	72,322	89,838	85,060	99,667	73,174	82,616
Special uses.....do.....	136,134	149,142	158,295	175,182	187,501	207,637
Grazing.....do.....	2,609,170	2,480,040	2,132,075	1,315,975	2,341,486	1,916,561
All other.....do.....	5,943	23,862	6,548	17,546	11,781	9,393

¹ Calendar year.

² Amount sold is to be cut during a period of years, hence greater than amount cut in any one year.

³ Board measure.

⁴ Prior to 1922, number for which permits were granted; thereafter, number actually grazed.

⁵ Includes receipts from timber and turpentine sales, timber settlement and trespass.

Source: Reports of the Forest Service, Department of Agriculture.

No. 627.—FOREST FIRES: NUMBER, AREA, DAMAGE, AND CAUSES

[NOTE.—Largely based on official national and State records covering in most States all forest areas, in others, specially protected areas only; for certain States, estimates of volunteer reporters only]

Group	Number of fires		Area burned (thousands of acres)				Damage (thousands of dollars)			
	1916-1923 ¹	1924	Forest land		Other land		To timber		Other	
			1916-1923 ¹	1924	1916-1923 ¹	1924	1916-1923 ¹	1924	1916-1923 ¹	1924
Total.....	41,503	91,921	9,051	22,200	3,804	6,623	12,372	31,415	5,514	6,713
Northeastern:										
Softwoods.....	1,330	1,987	43	75	22	41	230	258	33	16
Hardwoods.....	4,000	5,982	114	97	32	27	530	576	71	71
Total.....	3,730	3,778	449	217	118	66	1,227	622	179	58
Total.....	14,804	39,496	5,063	15,492	1,457	3,554	5,329	15,180	818	2,611
Total.....	1,876	3,530	279	688	78	235	486	1,116	87	218
Total.....	5,934	21,815	1,994	4,543	1,098	1,442	1,389	9,990	184	1,049
Lake States:										
Total.....	1,800	3,307	521	305	275	185	1,181	538	3,436	62
Prairie.....	76	97	1	1	6	2	2	1	3	-----
Rocky Mountain:										
Northern.....	2,233	2,890	237	113	81	27	917	503	20	86
Southern.....	819	1,143	31	46	11	22	20	47	(²)	1
Pacific.....	4,901	7,893	316	625	633	1,021	1,062	2,576	682	1,941

Number of fires by causes	1916-1923 ¹	1924	Number of fires by causes	1916-1923 ¹	1924
Northeastern (Me., N. H., Vt., N. Y., Mass., R. I., Conn., N. J.)	5,330	7,969	West Mississippi—Continued.		
Lightning.....	31	44	Railroads.....	367	1,090
Railroads.....	1,851	2,190	Camp fires.....	911	2,530
Camp fires.....	752	359	Smokers.....	1,059	3,273
Smokers.....	546	1,422	Bush burning.....	1,476	2,686
Bush burning.....	88	839	Incendiary.....	1,476	7,904
Incendiary.....	34	162	Lumbering.....	341	1,317
Lumbering.....	502	48	Miscellaneous.....	584	1,601
Miscellaneous.....	1,628	990	Unknown.....	1,113	581
Unknown.....	3,730	1,715	Lake States (Mich., Wis., Minn.)	1,800	3,307
Appalachian (Pa., Del., Md., Va., W. Va.)	19	31	Lightning.....	11	17
Lightning.....	971	856	Railroads.....	383	555
Railroads.....	545	294	Camp fires.....	253	479
Camp fires.....	441	789	Smokers.....	310	656
Smokers.....	301	321	Bush burning.....	23	57
Bush burning.....	209	301	Incendiary.....	47	07
Incendiary.....	202	262	Lumbering.....	197	258
Lumbering.....	1,042	290	Miscellaneous.....	576	358
Miscellaneous.....	1,042	634	Unknown.....		
Unknown.....	14,804	39,496	Prairie (Iowa, N. Dak., S. Dak., Nebr., Kans.)	76	97
Southeastern (N. C., S. C., Ga., Fla., Ala., Miss.)	457	705	Lightning.....	39	51
Lightning.....	1,252	2,731	Miscellaneous.....	26	46
Railroads.....	2,097	2,015	Unknown.....	11	
Camp fires.....	2,691	3,749	Rocky Mountain (Mont., Idaho, Wyo., Colo., Ariz., N. Mex., Nev., Utah)	3,052	4,036
Smokers.....	2,691	9,786	Lightning.....	1,279	1,741
Bush burning.....	4,218	10,539	Railroads.....	332	245
Incendiary.....	1,275	3,129	Camp fires.....	608	526
Lumbering.....	839	2,730	Smokers.....	193	684
Miscellaneous.....	1,965	4,053	Bush burning.....	111	260
Unknown.....	1,876	3,530	Incendiary.....	98	204
East Mississippi (Ohio, Ind., Ill., Ky., Tenn.)	143	101	Lumbering.....	106	136
Lightning.....	296	422	Miscellaneous.....	325	156
Railroads.....	310	604	Unknown.....	257	94
Camp fires.....	363	448	Pacific (Wash., Oreg., Calif.)	4,901	7,893
Smokers.....	273	511	Lightning.....	1,085	2,323
Bush burning.....	126	878	Railroads.....	267	290
Incendiary.....	102	98	Camp fires.....	1,232	1,144
Lumbering.....	203	286	Smokers.....	424	1,609
Miscellaneous.....	133	132	Bush burning.....	549	616
Unknown.....	5,924	21,815	Incendiary.....	209	739
West Mississippi (Mo., Ark., Okla., La., Tex.)	133	423	Lumbering.....	372	326
Lightning.....			Miscellaneous.....	736	736
			Unknown.....	693	60

¹ Annual average.² Less than 500.

Source: Forest Service, Department of Agriculture.

No. 628.—LUMBER PRODUCTION: TOTAL AND BY SPECIES

[NOTE.—In the data designated as "Reported production" there are considerable variations in the comprehensiveness of the returns. For 1899 and 1900 the returns were for the entire year and beginning with 1910 in each year the returns are for the year ending in the month of January. In recent years the returns are for the year ending in the month of January. The completeness of the returns is not mentioned.]

[All figures in millions of board feet]

Year (calendar)	Reported production			Estimated total cut	Year (calendar)	Reported production			Estimated total cut
	Total	Hard-wood	Soft-wood			Total	Hard-wood	Soft-wood	
1869	12,756			(1)	1913	38,387	8,084	30,303	44,000
1879	18,091			(1)	1914	37,346	7,939	29,407	40,500
1889	23,842			(1)	1915	37,012	7,527	29,485	38,000
1899	34,787	8,034	26,153	35,034	1916	39,807	8,475	31,332	40,000
1904	34,135	6,782	27,353	43,000	1917	35,831	6,657	29,174	36,000
1905	30,503	5,588	24,915	43,600	1918	31,890	6,223	25,667	32,000
1906	37,551	7,315	30,236	46,000	1919	34,552	7,145	27,407	34,552
1907	40,256	9,255	31,001	46,000	1920	33,799	6,989	26,810	33,799
1908	33,224	7,078	25,546	42,000	1921	26,961	4,775	22,186	30,500
1909	44,510	10,613	33,897	44,510	1922	31,569	4,925	26,644	35,000
1910	40,018	8,857	31,161	44,500	1923	37,166	6,262	30,904	39,000
1911	37,003	8,101	28,902	43,000	1924	35,931	6,525	29,406	37,000
1912	39,158	8,632	30,526	45,000					

Species	Reported production by species							
	1899	1909	1914	1919	1921	1922	1923	1924
Softwoods:								
Yellow pine	9,659	10,277	14,473	13,063	10,960	11,501	12,049	12,487
Douglas fir	1,737	4,856	4,784	5,002	4,642	6,831	8,223	7,462
White pine	7,742	3,960	2,633	1,724	1,274	1,383	1,672	1,531
Hemlock	3,421	3,051	2,160	1,755	1,201	1,535	1,873	1,879
Western yellow pine	945	1,500	1,327	1,755	1,432	2,081	2,805	2,603
Spruce	1,448	1,749	1,246	980	629	731	758	717
Cypress	496	956	1,013	656	771	809	819	877
Redwood	360	522	635	410	468	506	592	604
Cedar	235	346	500	332	235	334	365	330
Larch	51	421	369	388	213	274	351	306
White fir		89	113	223	186	298	330	319
Sugar pine	54	97	136	134	134	194	228	246
Balsam fir		109	125	68	29	33	19	22
Lodge pole pine		24	18	16	11	14	16	23
All other softwood	9						4	
Hardwoods:								
Oak	4,438	4,414	3,279	2,798	1,592	1,605	2,028	2,077
Maple	633	1,107	910	857	610	640	842	857
Red gum	285	707	675	851	683	808	1,016	1,071
Yellow poplar	1,115	858	519	329	235	274	353	351
Chestnut	207	664	541	546	312	311	350	313
Birch	133	452	431	375	319	263	351	382
Beech		511	376	359	190	163	191	194
Basswood	308	399	265	184	126	134	173	200
Elm	457	347	214	194	132	143	206	209
Cottonwood	415	266	195	144	122	114	158	167
Ash	269	291	189	155	128	131	149	183
Hickory	97	334	116	170	74	57	96	86
Tupelo		97	124	144	135	159	175	235
Walnut	39	46	28	39	31	39	49	68
Sycamore	30	57	23	28	18	18	25	28
All other hardwood	209	63	56	61			100	104
Unspecified hard and soft woods					67	66		

¹ Not available.

² Excludes items reported in M feet b. m. under "Other sawed products." (See Table 629.)

Source: Bureau of the Census, Department of Commerce, and Forest Service, Department of Agriculture. Estimated total cut 1921 and 1922, by National Lumber Manufacturers' Association, 1923, 1924, and 1925, based on National Lumber Manufacturers' Association data.

No. 629.—LUMBER: REPORTED PRODUCTION BY REGIONS AND STATES

[NOTE.—See headnote, Table 628]

[In millions of board feet]

	1889	1899	1909	1914	1919	1921	1922	1923	1924
United States.....	23,842	35,078	44,510	37,348	34,552	26,961	31,669	37,166	35,931
Northeastern	4,738	5,709	5,197	3,553	2,584	1,797	1,423	1,632	1,619
Maine.....	597	735	1,112	993	596	422	362	376	379
New Hampshire.....	277	572	650	433	339	202	181	255	265
Vermont.....	384	376	352	250	218	139	96	120	127
Massachusetts.....	212	344	361	143	167	137	95	128	130
Connecticut.....	49	108	168	82	87	65	53	59	48
New York.....	925	878	681	486	358	284	222	236	238
New Jersey.....	34	74	62	49	37	24	10	14	12
Pennsylvania.....	2,133	2,333	1,463	865	630	368	333	361	343
Maryland.....	82	184	268	162	113	71	54	63	68
Rhode Island.....	8	19	25	16	11	5	3	4	4
Delaware.....	23	36	55	26	27	21	14	16	14
Central	3,130	5,643	5,487	3,021	3,016	1,647	1,762	2,045	2,037
Ohio.....	565	990	543	286	280	133	137	152	155
Indiana.....	755	1,037	656	299	282	138	149	189	193
Illinois.....	222	338	170	66	65	43	24	28	33
Missouri.....	402	724	600	371	321	158	202	179	189
West Virginia.....	302	778	1,473	1,118	763	467	554	640	614
Kentucky.....	423	775	861	596	612	256	210	196	194
Tennessee.....	466	951	1,224	855	792	452	486	661	659
Lake States	8,251	8,750	5,476	3,918	2,692	1,784	1,344	2,392	2,338
Michigan.....	4,300	3,018	1,890	1,214	876	571	657	833	794
Minnesota.....	1,084	2,342	1,562	1,312	700	412	512	552	528
Wisconsin.....	2,866	3,389	2,025	1,391	1,116	800	776	1,007	1,016
North Carolina Pine States	1,129	2,712	5,177	4,417	3,374	2,208	2,408	2,837	2,644
Virginia.....	416	959	2,102	1,488	1,098	593	617	771	696
North Carolina.....	515	1,287	2,178	2,228	1,654	931	993	1,096	1,072
South Carolina.....	199	466	898	702	622	684	855	1,070	878
Southern States	3,718	8,404	14,786	13,384	12,704	11,322	11,975	13,524	13,593
Georgia.....	575	1,312	1,342	1,026	894	793	809	1,149	1,207
Florida.....	412	790	1,202	1,074	1,137	922	980	1,110	1,089
Alabama.....	589	1,101	1,691	1,495	1,799	1,386	1,458	1,787	1,873
Mississippi.....	454	1,206	2,573	2,281	2,390	2,082	2,268	2,691	2,807
Arkansas.....	538	1,624	2,111	1,797	1,772	1,301	1,382	1,538	1,536
Louisiana.....	304	1,115	3,552	3,956	3,164	3,215	3,386	3,554	3,397
Texas.....	843	1,232	2,099	1,554	1,380	1,502	1,543	1,659	1,529
Oklahoma.....	3	22	226	201	168	120	149	138	155
Rocky Mountain States	249	556	1,292	1,340	1,299	952	1,430	1,811	1,700
Montana.....	90	256	305	318	287	214	303	427	356
Idaho.....	28	65	646	764	765	543	858	1,073	1,018
Arizona.....	5	36	63	79	74	45	89	131	143
New Mexico.....	20	31	92	57	87	95	126	126	125
Colorado.....	80	134	142	102	65	41	39	38	42
Utah.....	14	18	13	9	12	8	7	8	7
Wyoming.....	6	17	29	12	9	6	8	8	15
Pacific States	2,023	2,902	6,906	7,087	8,798	7,204	10,561	12,762	11,928
Washington.....	1,064	1,429	3,863	3,946	4,961	3,332	5,836	6,678	6,267
Oregon.....	446	735	1,899	1,818	2,577	2,022	3,024	3,966	3,666
California.....	518	737	1,114	1,303	1,259	1,350	1,721	2,118	1,996
All other ¹	612	401	179	46	85	46	45	63	69
Iowa.....	569	352	132	11	18	5	6	10	12
PERCENTAGE DISTRIBUTION									
United States.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Northeastern States.....	19.8	16.3	11.7	9.5	7.5	6.7	4.5	4.4	4.5
Central States.....	13.1	16.1	12.3	9.7	8.7	6.1	5.6	5.5	5.7
Lake States.....	34.6	24.9	12.3	10.5	7.8	6.6	6.2	6.4	6.5
North Carolina Pine States.....	4.7	7.7	11.6	11.8	9.8	8.2	7.6	7.9	7.4
Southern States.....	15.6	24.0	33.3	35.8	36.8	42.0	37.9	36.4	37.8
Rocky Mountain States.....	1.1	1.6	2.9	3.6	3.7	3.5	4.6	4.9	4.7
Pacific States.....	8.5	8.3	15.5	18.9	25.4	26.7	33.5	34.3	33.2
All other.....	2.6	1.1	.4	.1	.2	.2	.1	.2	.2

¹ Includes cut of mills in District of Columbia.² Total includes Nevada.³ Includes Nevada.⁴ Includes, besides Iowa, the plains States of Kansas, Nebraska, North and South Dakota, and in certain years small figures for the District of Columbia and Nevada.

Source: State figures 1879, 1900, 1914, and 1919, Bulletin No. 1119 of the Forest Service, Department of Agriculture; all other figures, Reports of the Bureau of the Census, Department of Commerce.

No. 630.—ESTIMATED QUANTITY OF TIMBER REMOVED ANNUALLY FROM FORESTS

[NOTE.—Quantities are based mainly upon averages of production within the period 1912-1921. Values are for 1919 and include all value added to the material by cutting, transporting, and preparing for use.]

Product and waste	Unit of measure	Quantity in thousands	Approximate value or cost	Equivalent in lumber which could have been sawed from same trees		
				Total (M feet, b. m.)	Soft-woods (M feet, b. m.)	Hard-woods (M feet, b. m.)
Aggregate.....			\$2,254,015,000	60,193,700	41,057,780	19,135,920
Products, total.....			2,232,015,000	52,943,700	35,307,780	17,635,920
Lumber, dimension material and sawed ties.....	Foot, b. m.	37,700,000	1,138,917,000	37,700,000	28,275,000	9,425,000
Fuel wood.....	Cord	100,000	475,000,000	5,000,000	1,500,000	3,500,000
Pulpwood.....	do	5,000	79,750,000	2,340,000	2,145,000	195,000
Ties, hewed.....	Number	70,000	73,600,000	2,100,000	420,000	1,680,000
Cooperage stock: Right staves.....	do	350,000	19,250,000	532,000	133,000	399,000
		24,000	12,000,000	178,000	36,200	141,800
		1,200,000	18,000,000	362,000	121,600	240,400
Slack heading.....	Sets	90,000	10,800,000	333,000	166,500	166,500
Hoops.....	Number	120,000	1,800,000	21,500		21,500
Shingles.....	do	9,000,000	37,710,000	900,000	900,000	
Mine timbers.....	Cubic foot	293,000	56,913,000	879,000	439,500	439,500
Fence posts.....	Number	990,000	225,000,000	825,000	660,000	165,000
Veneer logs.....	Foot, l. s.	576,000	25,079,000	691,200	103,680	587,520
Poles.....	Number	4,250	10,625,000	255,000	200,000	55,000
Vehicle stock, woodenware, handles, furniture, etc.	Board foot	200,000	7,288,000	200,000	2,300	197,700
Distillation wood.....	Cord	1,400	9,268,000	185,000		185,000
Piling.....	Number	1,500	6,000,000	180,000	140,000	40,000
	Board foot	100,000	8,445,000	100,000	50,000	50,000
	Cord	1,000	10,250,000	87,000		87,000
Excelsior wood.....	do	200,000	1,800,000	75,000	15,000	60,000
Lath.....	Number	2,000,000	9,620,000			
Destroyed by fire.....	Cubic foot	1,080,000	10,000,000	2,250,000	1,750,000	500,000
Destroyed by insects, disease, and windfall.....	do	1,300,000	12,000,000	5,000,000	4,000,000	1,000,000

Source: Bureau of the Census, Department of Commerce, and Forest Service, Department of Agriculture.

No. 631.—LUMBER: COMPOSITE PRICES

[NOTE.—The prices represent a combined weighted average for the respective species of lumber, based on quotations on various grades for each species, and the softwood index is based upon seven species: Yellow pine, hemlock, spruce, and cypress. The hardwood index is based upon seven species: Yellow pine, basswood, elm, oak, gum, ash, cottonwood, chestnut, poplar, hickory, and walnut.]

[Dollars per 1,000 board feet]

Month	Softwoods					Hardwoods				
	1921	1922	1923	1924	1925	1921	1922	1923	1924	1925
Year.....	\$27.42	\$30.79	\$33.86	\$30.95	\$30.71	\$40.93	\$40.33	\$46.72	\$43.11	\$41.72
January.....	32.88	27.67	34.51	31.98	31.44	54.93	38.69	46.18	43.71	43.49
February.....	20.88	27.97	35.53	32.97	31.68	50.07	38.69	43.30	44.14	44.23
March.....	28.78	27.62	36.56	32.44	31.63	46.61	38.36	49.18	44.46	43.78
April.....	27.59	27.80	36.04	32.28	31.41	43.17	37.08	50.28	44.60	42.92
May.....	26.54	29.75	36.47	31.34	30.84	40.89	37.91	49.78	44.67	41.43
June.....	26.14	30.77	35.10	29.97	29.93	38.48	39.50	43.42	42.53	40.94
July.....	25.70	30.75	33.23	29.31	29.85	37.72	40.72	47.05	42.12	40.22
August.....	24.92	32.17	31.84	29.82	30.15	34.90	40.06	45.35	41.77	40.16
September.....	24.89	33.79	31.39	30.27	30.35	34.29	40.09	44.58	41.90	40.53
October.....	27.01	33.08	31.69	29.79	30.35	34.63	42.24	44.37	42.19	40.54
November.....	27.78	33.75	31.56	30.21	30.59	36.70	43.19	43.65	42.59	41.67
December.....	27.37	34.32	31.48	30.96	30.34	38.76	44.74	43.46	42.63	41.69

Source: Bureau of the Census, compiled from the "Lumber Manufacturer and Dealer."

No. 632.—LUMBER: AVERAGE MILL VALUE PER 1,000 BOARD FEET

Kind of wood	1899	1904	1907	1909	1911	1917	1918	1919	1920	1921	1922	1923	1924
All kinds ¹	\$11.13	\$12.76	\$18.56	\$15.38	\$15.05	\$20.32	\$24.79	\$30.21	\$38.42	\$23.47	\$28.15	\$31.78	\$28.57
SOFTWOODS													
Balsam fir.....	(?)	(?)	16.16	13.99	13.42	20.02	27.27	32.23	34.33	25.71	25.05	27.62	27.66
Cedar.....	10.91	14.35	19.14	19.95	13.36	19.40	24.86	33.80	38.68	38.55	29.19	37.56	38.74
Cypress.....	13.32	17.50	22.12	20.46	20.54	23.92	30.56	38.38	51.02	36.88	40.05	44.61	42.08
Douglas fir.....	8.67	9.51	14.12	12.44	11.05	16.28	18.77	24.62	34.59	18.04	20.93	26.99	22.08
Hemlock.....	9.98	11.91	15.53	13.95	13.59	20.78	23.97	29.16	32.05	20.79	21.83	26.21	23.35
Larch (tamarack).....	8.73	11.39	13.99	12.68	11.87	16.21	19.86	23.39	30.28	15.56	18.54	21.98	20.82
Lodgepole pine.....	(?)	(?)	(?)	16.25	12.41	18.34	20.95	29.98	30.58	21.81	19.07	21.70	21.07
Redwood.....	10.12	12.83	17.70	14.80	13.99	21.00	24.30	30.04	46.90	40.57	35.72	43.08	35.90
Spruce.....	11.27	14.03	17.26	16.91	16.14	24.41	28.65	30.76	38.94	25.73	25.47	31.44	30.18
Sugar pine.....	12.30	(?)	19.84	18.14	17.52	24.69	28.26	35.99	48.76	37.93	43.78	45.33	40.54
Yellow pine.....	8.46	9.96	14.02	12.69	13.87	19.00	24.38	28.71	35.89	19.42	23.66	29.82	26.55
Western white pine.....	9.70	11.30	15.67	15.39	13.62	19.59	20.87	27.75	38.73	26.95	27.75	33.09	27.73
White pine.....	(?)	(?)	15.54	13.10	10.64	17.16	19.61	25.66	30.44	21.37	19.97	23.84	21.60
White pine.....	12.69	14.93	19.41	18.16	18.54	24.81	30.84	32.83	41.49	30.03	36.37	34.85	32.66
HARDWOODS													
Ash.....	15.84	18.77	25.01	24.44	21.21	30.01	38.70	52.69	61.28	38.18	42.43	50.35	49.54
Basswood.....	12.84	16.86	20.03	19.50	19.20	25.95	34.00	40.03	54.28	33.09	35.67	45.60	41.94
Beech.....	(?)	(?)	14.30	13.25	14.09	19.58	25.06	20.98	36.51	26.99	26.84	30.22	29.95
Birch.....	12.50	15.44	17.37	16.95	16.61	24.07	29.94	35.79	53.44	31.53	35.84	43.33	43.03
Chestnut.....	13.37	13.78	17.04	16.12	16.63	21.54	27.31	32.30	42.48	27.87	29.29	29.75	25.87
Cottonwood.....	10.37	14.92	18.42	18.05	18.12	23.19	26.13	32.24	33.38	25.05	26.95	30.19	29.43
Elm.....	11.47	14.45	18.45	17.52	17.13	23.89	28.19	36.39	47.23	29.63	33.28	43.53	33.63
Gum, red and sap.....	9.63	10.87	14.10	13.20	12.11	19.56	23.21	32.68	35.24	22.46	27.07	32.35	30.24
Hickory.....	18.78	23.94	29.50	30.80	22.47	29.48	37.95	44.37	52.57	36.60	36.20	46.39	40.36
Maple.....	11.83	14.94	16.84	15.77	15.49	23.16	29.05	35.56	50.16	30.34	33.52	41.59	40.22
Oak.....	13.78	17.51	21.23	20.50	19.14	24.49	31.11	37.87	46.88	30.56	34.01	39.08	36.13
Sycamore.....	11.04	(?)	14.58	14.87	13.16	18.68	23.59	30.32	32.12	22.55	25.29	30.25	29.31
Tupelo.....	(?)	(?)	14.48	11.87	12.46	18.06	22.73	28.42	33.68	18.59	22.86	24.90	25.86
Yellow poplar.....	14.03	18.90	24.91	25.39	25.46	27.17	35.06	41.65	58.87	37.31	39.18	51.29	44.38
Walnut.....	36.49	45.64	43.31	43.79	31.70	72.99	77.60	72.13	88.92	88.83	80.08	109.38	103.06

¹ Including minor species.² No data.

Source: Bureau of the Census, in cooperation with Forest Service, Department of Agriculture.

No. 633.—VENEERS: TIMBER CONSUMED IN MANUFACTURING VENEERS

[In thousands of feet, log scale]

State	1909	1921	1923	Kind of wood	1909	1921	1923
Total.....	435,981	400,368	645,793	Domestic			
Alabama.....	14,565	24,482	43,214	Basswood.....	13,715	5,977	8,771
Arkansas.....	26,116	52,497	64,117	Birch.....	24,643	37,070	43,936
California.....	33,298	30,645	49,016	Cottonwood.....	30,842	27,832	40,404
Colorado.....	35,646	16,758	13,722	Douglas fir.....	1,111	16,518	55,123
Kentucky.....	19,356	23,686	25,020	Elm.....	10,254	7,698	9,570
Louisiana.....	3,164	14,635	23,728	Maple.....	35,444		23,310
Mississippi.....	7,563	23,212	45,496	Red gum.....	129,930	146,740	220,703
New York.....	24,218	14,133	16,382	Tupelo.....	18,476	21,494	36,396
North Carolina.....	19,984	24,264	53,196	Walnut.....	2,400	15,443	15,452
Oregon.....	3,291	13,182	26,369	White oak.....	28,742	11,852	12,940
South Carolina.....	2,944	12,749	20,783	Yellow pine.....	48,143	42,195	65,100
Tennessee.....	30,574	23,319	30,983	Yellow poplar.....	28,826	18,370	45,376
Virginia.....	21,609	15,582	21,170	All other.....	32,905	24,757	58,373
Washington.....	5,419	13,051	53,510	Imported			
Wisconsin.....	31,737	31,131	37,513	Mahogany.....	16,057	11,452	6,664
All other.....	156,502	67,062	121,565	Spanish cedar.....	5,140	2,202	2,714
				All other.....	3,353	119	961

Source: Bureau of the Census, Department of Commerce.

No. 634.—LATH AND SHINGLES: PRODUCTION

[All figures in thousands of lath or shingles]

Year (calendar)	Lath	Shingles	Year (calendar)	Lath	Shingles
United States:			United States—Contd.		
1899.....	2,523,998	12,102,017	1916.....	2,754,683	9,371,333
1904.....	2,647,847	14,546,551	1917.....	2,281,738	8,696,613
1907.....	3,663,602	11,824,475	1918.....	1,362,187	5,690,182
1908.....	2,986,684	12,106,483	1919.....	1,724,078	9,192,704
1909.....	3,703,195	14,907,371	1920.....	1,952,983	6,156,416
1910.....	3,494,718	12,976,362	1921.....	1,970,696	6,843,187
1911.....	2,971,110	12,113,867	1922.....	2,940,714	8,131,242
1912.....	2,719,163	12,037,685	1923.....	3,328,013	7,506,869
1915.....	2,745,134	8,459,378	1924.....	2,961,200	6,862,385

States	Lath				Shingles			
	1900	1919	1923	1924	1900	1919	1923	1924
Alabama.....	50,979	42,502	44,553	51,489	245,871	62,241	27,970	26,655
Arkansas.....	78,362	72,827	54,773	104,360	208,080	98,937	30,752	21,180
California.....	32,615	43,042	136,803	198,988	574,342	191,831	233,925	119,282
Florida.....	55,741	76,402	144,713	150,004	283,200	128,286	52,467	48,849
Georgia.....	58,704	19,718	33,587	34,551	443,200	114,806	48,240	20,884
Idaho.....	86,740	69,150	107,947	127,990	62,308	22,657	21,010	5,000
Louisiana.....	377,708	199,018	308,674	330,524	757,868	300,784	208,763	149,683
Maine.....	337,086	104,223	173,394	142,370	598,131	188,576	165,822	111,631
Michigan.....	218,308	51,469	90,619	77,457	891,649	144,173	101,255	102,211
Minnesota.....	478,008	115,741	276,361	210,909	74,818	4,451	1,842	100
Mississippi.....	90,926	96,204	186,435	175,834	151,303	34,002	40,015	41,616
Montana.....	35,430	21,362	59,892	37,322	525	253	67	90
North Carolina.....	70,724	10,079	23,125	25,055	280,942	92,139	71,086	35,504
Oregon.....	161,612	122,848	393,942	344,051	283,044	530,066	414,625	320,343
Texas.....	59,627	35,916	82,631	72,510	137,719	13,551	7,001	2,758
Virginia.....	127,555	27,073	23,832	25,146	39,172	1,637	2,188	128
Washington.....	451,384	339,058	835,330	646,299	8,879,467	7,095,122	5,983,188	5,762,174
West Virginia.....	150,820	22,005	45,023	51,602	6,829	120	524	—
Wisconsin.....	299,845	138,936	157,167	126,138	392,863	96,928	66,407	64,232
All other.....	481,121	107,505	149,203	119,601	585,374	72,114	29,718	24,265

¹Includes Nevada.

No. 635.—COOPERAGE STOCK: PRODUCTION OF STAVES, HEADING, AND HOOPS

[NOTE.—Production of wooden hoops in 1921 was 137,380,000 and in 1923, 153,954,000, nearly all elm]

Year and State	Staves (thou- sands)		Heading (thou- sand sets)		Kind of wood	Staves (thou- sands)		Heading (thou- sand sets)				
	Tight	Slack	Tight	Slack		Sawed tight 1	Slack	Tight	Slack			
Total: 1909 ----	379, 231	2, 026, 548	20, 691	140, 234	1923 Total ----	221, 625	893, 682	19, 342	80, 477			
1918 ----	286, 401	1, 009, 971	20, 711	60, 751								
1919 ----	353, 825	1, 121, 324	24, 274	87, 381								
1921 ----	255, 047	893, 621	20, 505	66, 747								
1923 ----	222, 507	893, 682	19, 342	80, 477								
1923					White oak ----	86, 183	16, 556	{ 7, 373 3, 167 }	1, 103			
Alabama ----	10, 937	40, 456	144	25, 462	Red oak ----	56, 783						
Arkansas ----	68, 754	214, 685	5, 671	1, 074	Gum ----	25, 974				321, 133	2, 191	14, 678
Florida ----	2, 685	13, 865	102	446	Pine ----	15, 070				203, 369	953	43, 718
Georgia ----	7, 978	6, 958	572	7, 269	Douglas fir ----	14, 041				27, 351	2, 195	1, 085
Louisiana ----	27, 124	52, 836	2, 063	1, 079	Hemlock ----	9, 091	(?)	1, 064	(?)			
Maine ----	(?)	10, 451	(?)	726	Ash ----	4, 389	54, 234	1, 369	1, 031			
Mississippi ----	21, 012	65, 457	1, 296	(?)	Elm ----	(?)	70, 125	—	1, 191			
Missouri ----	9, 090	114, 649	92	9, 248	Tupelo ----	(?)	67, 682	—	1, 931			
New Hamp- shire ----	15, 188	23, 545	702	1, 279	Cottonwood ----	(?)	38, 550	(?)	1, 940			
North Carolina ----	(?)	52, 966	(?)	3, 338	Birch ----	(?)	21, 612	(?)	3, 969			
South Carolina ----	—	29, 608	—	3, 309	Beech ----	(?)	17, 879	—	3, 059			
Tennessee ----	16, 282	41, 964	2, 805	(?)	Sycamore ----	(?)	10, 993	(?)	(?)			
Virginia ----	(?)	137, 279	—	7, 512	Maple ----	(?)	(?)	(?)	2, 653			
Washington ----	9, 521	(?)	1, 507	(?)	Basswood ----	(?)	(?)	(?)	2, 238			
Wisconsin ----	—	14, 586	—	6, 993	All other ----	10, 094	44, 198	1, 030	1, 821			
All other ----	33, 930	74, 382	4, 388	11, 842								

¹ Classification by kind of wood applies only to sawed tight staves, which, however, are over 99 per cent of all tight staves.

² Included in "All other."

Source of Tables 634 and 635: Bureau of the Census, Department of Commerce, in cooperation with the Forest Service, Department of Agriculture.

No. 636.—PULPWOOD: CONSUMPTION BY MILLS, AND MILL COST

[NOTE.—Figures include both domestic and imported wood. The cost is at the pulp mill, including transportation]

Year	Quantity, all species (cords)	Cost		Year	Quantity, all species (cords)	Cost		Year	Quantity, all species (cords)	Cost	
		Total (thousand dollars)	Average per cord			Total (thousand dollars)	Average per cord			Total (thousand dollars)	Average per cord
1899	1,986,310	9,838	\$4.95	1910	4,094,306	-----	-----	1919	5,447,832	87,386	\$15.95
1905	3,192,123	17,736	5.56	1911	4,328,052	-----	-----	1920	6,114,072	116,496	19.03
1906	3,661,176	26,412	7.21	1914	4,470,763	39,408	\$8.81	1921	4,567,179	91,689	20.10
1907	3,962,660	32,360	8.17	1916	5,228,558	145,786	8.76	1922	5,548,842	89,895	16.20
1908	3,346,953	28,047	8.38	1917	5,480,075	60,815	11.10	1923	5,872,870	95,306	16.23
1909	4,001,607	34,478	8.62	1918	5,250,794	73,167	13.93	1924	5,768,082	92,672	16.07

	Total consumption (cords)				Consumption by processes, 1924 (cords)				Average cost per cord 1924
	1899	1909	1923	1924	Mechanical	Sulphite	Soda	Sulphate	
Total	1,986,310	4,001,607	5,872,870	5,768,082	1,643,955	2,691,492	808,613	626,022	\$16.07
Spruce				2,079,182	946,152	1,082,360	-----	50,670	18.21
Domestic				890,525	457,436	419,403	1,500	12,184	20.37
Imported				905,359	62,961	857,236	-----	45,162	12.68
Yellow pine				427,901	10,444	5,660	103,787	308,070	9.70
Poplar									
Domestic	236,820	302,876	152,886	218,036	10,503	4,874	202,581	78	15.97
Imported	20,133	25,622	181,808	157,368	451	-----	156,917	-----	17.33
Balsam fir	(?)	95,366	237,509	313,015	95,892	168,838	-----	48,288	16.32
Yellow poplar	(?)	(?)	102,781	128,037	-----	-----	123,037	-----	14.53
Tamarack or larch	(?)	(?)	56,233	74,659	-----	1,261	3,337	70,071	11.86
Gum	(?)	(?)	43,989	87,402	-----	-----	37,462	-----	14.81
Jack pine	(?)	(?)	68,658	75,779	12,352	-----	184	63,239	10.96
White fir	(?)	37,176	95,783	93,296	42,653	50,643	-----	-----	10.29
Basswood	(?)	(?)	10,650	8,243	-----	-----	8,243	-----	16.27
All other	220,155	219,467	209,235	180,198	2,297	613	160,160	16,828	13.69
Slabs and mill waste	(?)	248,977	103,934	118,960	2,814	100,314	4,400	11,432	10.72

* Not including slabs and other mill waste in Louisiana, Massachusetts, North Carolina, and Virginia.

* Included in all other.

* Included in domestic poplar.

* Included in yellow pine.

No. 637.—WOOD PULP PRODUCTION: TOTAL AND BY STATES AND PROCESSES

[NOTE.—In 1924, 1,547,923 tons of mechanical pulp were not steamed, and 95,951 tons steamed; of the 1,547,923 tons were unbleached and 961,993 were bleached.]

Year	Tons	Year	Tons	Year	Tons	Year	Tons	Year	Tons
1899	1,179,525	1910	2,533,976	1917	3,509,939	1920	3,821,704	1923	3,788,672
1904	1,921,769	1911	2,686,134	1918	3,313,861	1921	2,875,601	1924	3,723,266
1909	2,495,523	1914	2,893,150	1919	3,517,952	1922	3,521,644		
		1909	1917	1919	1921	1922	1923	1924	
Principal States:									
Maine	620,705	898,798	916,764	710,329	862,672	901,007	895,451		
New York	679,534	798,616	811,958	606,869	675,325	760,199	755,156		
Wisconsin	-----	456,129	506,649	488,501	564,696	577,993	609,081		
Pennsylvania	-----	215,060	215,686	167,310	217,115	236,900	216,862		
New Hampshire	-----	266,645	232,134	152,797	179,135	188,323	151,863		
Michigan	-----	96,623	106,194	103,532	148,912	138,034	145,565		
Minnesota	-----	140,353	129,560	117,934	162,220	170,609	141,165		
Washington	-----	93,576	83,675	95,161	102,349	136,943	159,539		
West Virginia	-----	54,813	39,195	27,623	19,051	23,072	27,703		
Vermont	-----	94,975	85,945	41,945	54,668	70,840	46,587		
California and Oregon	-----	120,237	123,990	124,494	156,218	162,653	149,894		
All other	1,195,284	274,114	266,402	239,106	379,283	422,099	425,400		
Processes:									
Mechanical	1,179,266	1,535,953	1,518,829	1,267,382	1,433,787	1,580,553	1,643,283		
Sulphite	1,017,631	1,451,757	1,419,829	1,166,926	1,374,319	1,448,690	1,336,551		
Soda	298,626	437,430	411,693	300,533	419,857	445,162	440,697		
Sulphate	-----	84,799	120,378	140,760	243,681	314,267	302,735		

* Total includes screenings.

Source of Tables 636 and 637: Bureau of the Census in cooperation with the Forest Service.

No. 638.—PAPER AND WOOD PULP: CENSUS STATISTICS OF PRODUCTION

[NOTE.—The total value of products involves duplication due to the use of pulp produced by certain plants as material in other plants. Pulp made and consumed in the same plant is not included.]

	Quantity (thousands of unit indicated)				Value (thousands of dollars)		
	Unit	1914	1921	1923	1914	1921	1923
All products, total value.....					332, 147	667, 436	907, 347
Total paper.....	Ton	5, 270	5, 431	8, 029	291, 588	586, 736	812, 509
Newspaper in rolls and sheets.....	do.	1, 813	1, 237	1, 521	52, 943	114, 315	110, 865
Hanging paper.....	do.	97	57	111	4, 489	5, 949	10, 285
Poster, novel, tablet, lining, etc.....	do.	8	35	55	491	4, 173	4, 960
Book paper.....	do.	904	792	1, 208	70, 102	122, 931	169, 236
Cover paper.....	do.	22	16	21	2, 809	4, 112	4, 973
Fine paper.....	do.	248	231	377	34, 055	61, 314	89, 093
Wrapping paper.....	do.	882	704	1, 027	40, 373	86, 679	120, 763
Bag paper (all kinds).....	do.	(1)	105	124	(1)	13, 857	16, 579
Tag stock (rope, jute, and sulphite).....	do.	29	19	34	1, 935	2, 723	4, 190
Boards.....	do.	1, 292	1, 740	2, 793	44, 869	104, 347	182, 867
Tissue paper.....	do.	115	186	251	11, 536	33, 647	44, 144
Blotting paper.....	do.	14	11	16	1, 458	2, 607	3, 776
Building, roofing, asbestos, etc.....	do.	244	217	345	9, 476	12, 842	23, 529
All other paper.....	do.	102	81	148	8, 052	16, 179	27, 194
Wood pulp, for sale or transfer to other mills.....	do.	912	868	1, 063	31, 678	63, 374	65, 497
All other products ²					8, 881	18, 327	29, 341

¹ For 1914, 1921, and 1923, bags and paper boxes and containers.

Source: Bureau of the Census, Department of Commerce.

No. 639.—TURPENTINE AND ROSIN PRODUCTION

Year ¹	Turpentine (gallons)			Rosin (barrels of 500 pounds)		
	Total	From gum	From wood	Total	From gum	From wood
United States:						
1899.....	37, 733, 500	37, 733, 500	(2)	2, 434, 933	2, 434, 933	(2)
1904.....	31, 129, 236	30, 687, 051	442, 185	1, 964, 674	1, 964, 674	(2)
1909.....	29, 714, 132	28, 988, 954	706, 868	1, 827, 760	1, 827, 760	(2)
1914.....	27, 648, 939	26, 980, 081	575, 557	1, 619, 160	1, 615, 643	29, 022
1919.....	19, 228, 174	17, 693, 841	1, 534, 333	1, 269, 717	1, 138, 660	131, 057
1920.....	26, 200, 000	24, 450, 000	1, 750, 000	1, 757, 000	1, 577, 000	180, 000
1921.....	24, 820, 620	24, 378, 854	441, 766	1, 090, 971	1, 061, 624	29, 347
1922.....	24, 252, 835	22, 394, 137	1, 858, 698	1, 651, 795	1, 499, 538	152, 257
1923.....	29, 781, 944	27, 174, 580	2, 607, 364	1, 990, 865	1, 790, 087	200, 778
1924.....	28, 923, 450	26, 072, 200	2, 851, 250	1, 978, 297	1, 720, 736	257, 631

	Turpentine (gallons)				Rosin (barrels of 500 pounds)			
	1914	1919	1923	1924	1914	1919	1923	1924
PRODUCTION FROM CRUDE GUM								
Alabama.....	2, 721, 777	2, 037, 005	2, 101, 661	1, 837, 200	165, 099	120, 839	151, 641	121, 255
Florida.....	12, 363, 232	6, 992, 489	9, 746, 739	6, 155, 450	733, 772	486, 432	660, 009	604, 260
Georgia.....	6, 228, 041	3, 997, 310	10, 056, 733	9, 932, 000	347, 931	234, 690	627, 306	655, 512
Mississippi.....	2, 385, 054	1, 740, 812	2, 432, 207		154, 115	115, 984	162, 231	
Louisiana.....	2, 252, 118	1, 885, 231	2, 126, 046	4, 697, 550	150, 793	112, 900	145, 223	310, 039
Texas.....	647, 160	906, 404	191, 308		41, 639	60, 179	13, 447	
North Carolina and South Carolina.....	383, 599	125, 590	519, 286	450, 000	22, 294	7, 636	30, 231	29, 700

¹ The figures showing the productions of turpentine and rosin from crude gum beginning with 1919 refer to the crop year ended March 31 of the year following. All other figures relate to calendar years.

² Not reported.

Source: Bureau of the Census, Department of Commerce, in cooperation with Forest Service, Department of Agriculture.

FISHERIES

No. 640.—QUANTITY AND VALUE OF THE PRODUCTS OF THE FISHERIES OF SPECIFIED SECTIONS

NEW ENGLAND STATES

Calendar year	Maine		New Hampshire		Massachusetts	
	Pounds	Dollars	Pounds	Dollars	Pounds	Dollars
1880.....		2,742,571		170,634		7,950,760
1887.....	131,379,591	2,384,806	1,234,727	99,460	290,544,343	6,461,398
1888.....	132,929,594	2,292,013	3,313,479	90,044	302,045,836	6,355,495
1889.....	129,556,804	2,111,206	4,354,568	88,511	293,217,669	5,858,274
1890.....	126,404,561	2,654,919	3,020,715	48,987	202,257,517	4,469,727
1902.....	242,390,371	2,915,772	1,593,413	50,003	230,645,650	6,482,427
1905.....	124,723,788	2,386,406	1,036,452	51,944	255,654,475	7,025,219
1908.....	173,343,000	3,257,000	677,000	52,000	244,313,000	7,095,000
1919.....	147,956,369	3,589,035	528,730	92,660	246,951,241	10,868,746
1924.....	116,707,179	4,136,989	447,450	58,029	243,362,693	10,799,598

Calendar year	Rhode Island		Connecticut		Total	
	Pounds	Dollars	Pounds	Dollars	Pounds	Dollars
1880.....		696,814		933,242		12,503,021
1887.....	45,284,872	683,495	39,750,008	300,746	520,213,541	9,913,093
1888.....	91,687,487	825,062	42,401,612	297,337	572,907,858	9,860,011
1889.....	127,365,475	935,144	92,672,464	1,557,506	653,170,040	10,550,611
1890.....	32,854,396	955,058	31,920,417	1,559,599	393,457,906	9,682,200
1902.....	21,613,964	1,155,701	37,832,149	1,799,381	534,075,447	12,406,284
1905.....	23,896,243	1,546,658	74,972,648	3,173,948	480,283,604	14,184,205
1908.....	44,254,000	1,752,000	66,942,000	2,982,000	530,029,000	15,130,000
1919.....	48,250,883	3,296,578	23,652,647	1,700,638	467,339,870	10,838,657
1924.....	20,535,327	1,818,858	25,769,516	2,006,658	406,822,165	18,818,132

SOUTH ATLANTIC STATES

Calendar year	North Carolina		South Carolina		Georgia	
	Pounds	Dollars	Pounds	Dollars	Pounds	Dollars
1880.....	32,219,488	815,095	6,143,250	212,482	2,272,500	119,993
1887.....	45,124,956	772,937	4,075,537	157,688	1,882,750	80,745
1888.....	43,022,855	776,439	4,180,547	163,657	1,957,749	82,910
1889.....	48,545,643	660,427	4,879,125	200,381	2,643,533	105,727
1890.....	51,799,142	1,027,660	4,944,840	202,602	2,994,117	123,563
1897.....	64,234,257	1,316,017	5,280,446	210,456	4,993,100	170,605
1902.....	67,584,734	1,739,661	8,174,463	263,023	11,102,610	359,081
1908.....	101,422,000	1,776,000	14,104,000	288,000	14,828,000	701,000
1919.....	210,501,750	2,978,708	3,746,932	207,690	37,153,953	416,043
1923.....	95,192,343	2,414,499	6,763,279	284,791	39,896,386	668,129

Calendar year	Florida (east coast only)		Total	
	Pounds	Dollars	Pounds	Dollars
1880.....	2,286,750	78,408	42,951,988	1,256,578
1887.....		173,886		1,196,892
1888.....		199,043		1,455,578
1889.....	5,982,375	219,870	59,050,676	1,473,704
1890.....	7,463,531	136,077	67,201,630	1,833,155
1897.....	5,882,662	477,868	80,390,405	2,839,633
1902.....	19,584,265	1,269,000	106,446,072	4,034,000
1908.....	36,521,000	1,746,175	186,875,000	5,318,616
1918.....	81,211,488	86,895,922	332,614,123	5,086,340
1923.....		1,719,921	228,747,930	

No. 640.—QUANTITY AND VALUE OF THE PRODUCTS OF THE FISHERIES OF SPECIFIED SECTIONS—Continued

GULF STATES

Calendar year	Florida (west coast only)		Alabama		Mississippi	
	Pounds	Dollars	Pounds	Dollars	Pounds	Dollars
1880.....	8, 376, 335	564, 819	3, 541, 500	119, 275	788, 500	22, 540
1888.....	19, 597, 084	802, 282	1, 633, 589	75, 560	7, 883, 010	231, 712
1889.....	23, 597, 240	948, 845	4, 560, 269	146, 841	8, 933, 339	250, 884
1890.....	27, 418, 562	1, 064, 139	4, 776, 968	154, 871	8, 131, 401	245, 699
1897.....	28, 255, 219	944, 793	4, 699, 381	184, 438	7, 829, 685	192, 298
1902.....	48, 120, 019	1, 462, 166	9, 351, 447	260, 082	23, 426, 905	553, 220
1908.....	37, 566, 000	2, 120, 000	10, 685, 000	387, 000	17, 302, 000	459, 000
1918.....	54, 753, 639	3, 420, 363	5, 609, 219	230, 567	20, 592, 089	762, 770
1923.....	73, 260, 267	4, 026, 227	7, 631, 237	341, 569	25, 031, 738	985, 741

Calendar year	Louisiana		Texas		Total	
	Pounds	Dollars	Pounds	Dollars	Pounds	Dollars
1880.....	6, 996, 000	392, 610	3, 858, 875	128, 300	23, 581, 210	1, 227, 544
1888.....	19, 121, 056	612, 820	6, 609, 161	271, 257	54, 843, 900	1, 993, 631
1889.....	20, 947, 239	621, 048	7, 357, 800	297, 258	65, 395, 587	2, 264, 876
1890.....	20, 789, 203	680, 134	7, 959, 400	313, 332	69, 075, 534	2, 438, 675
1897.....	17, 401, 788	713, 587	7, 174, 550	286, 610	65, 360, 623	2, 271, 726
1902.....	24, 754, 135	858, 314	8, 044, 404	353, 814	113, 696, 970	3, 494, 198
1908.....	42, 302, 000	1, 448, 000	10, 439, 000	446, 000	118, 274, 000	4, 860, 000
1918.....	24, 953, 876	1, 419, 367	25, 014, 760	677, 243	130, 923, 583	6, 510, 310
1923.....	34, 835, 194	1, 961, 100	19, 559, 606	782, 013	100, 324, 042	8, 096, 650

GREAT LAKES

Calendar year	Lake Superior		Lake Michigan		Lake Huron		Lake Erie	
	Pounds	Dollars	Pounds	Dollars	Pounds	Dollars	Pounds	Dollars
1885.....	8, 325, 980	291, 523	23, 618, 148	878, 788	11, 457, 170	276, 397	51, 450, 517	1, 109, 096
1890.....	6, 115, 992	220, 968	28, 434, 266	830, 465	10, 056, 361	221, 067	64, 850, 873	1, 000, 905
1893.....	8, 096, 927	252, 107	30, 747, 755	828, 611	12, 064, 338	306, 351	42, 963, 325	895, 979
1890.....	5, 429, 654	150, 862	34, 499, 996	876, 742	12, 418, 327	308, 078	58, 899, 804	1, 150, 895
1903.....	13, 205, 013	343, 671	35, 579, 498	1, 030, 550	14, 455, 209	450, 318	23, 188, 556	780, 015
1908.....	10, 198, 050	342, 000	40, 019, 000	1, 554, 000	12, 932, 000	488, 000	41, 922, 000	1, 280, 000
1917.....	15, 447, 432	726, 674	36, 460, 628	2, 270, 859	13, 363, 207	857, 478	38, 300, 238	2, 330, 249
1922.....	10, 988, 020	434, 273	26, 128, 199	2, 138, 849	13, 942, 115	945, 259	56, 838, 298	2, 977, 064

Calendar year	Lake Ontario		Lake St. Clair, St. Clair and Detroit Rivers ¹		Total	
	Pounds	Dollars	Pounds	Dollars	Pounds	Dollars
1885.....	2, 398, 496	95, 869	2, 185, 795	40, 193	99, 842, 076	2, 691, 866
1900.....	3, 446, 448	124, 786	2, 994, 571	73, 577	113, 898, 531	2, 471, 763
1908.....	928, 015	31, 510	1, 814, 311	46, 030	96, 619, 671	2, 270, 618
1909.....	2, 406, 332	100, 997	579, 067	23, 864	113, 727, 240	2, 611, 439
1903.....	1, 244, 600	59, 353	521, 941	21, 594	86, 194, 817	2, 745, 501
1908.....	823, 000	74, 000	737, 000	32, 000	106, 631, 000	3, 768, 000
1917.....	1, 054, 888	100, 857	133, 330	11, 852	103, 759, 223	6, 297, 969
1922.....	1, 025, 799	131, 801	310, 012	17, 365	108, 732, 443	6, 689, 611

PACIFIC COAST STATES

Calendar year	Washington		Oregon		California		Total	
	Pounds	Dollars	Pounds	Dollars	Pounds	Dollars	Pounds	Dollars
1888.....	23, 400, 292	890, 860	25, 160, 266	1, 010, 843	23, 313, 324	1, 091, 398	71, 882, 882	2, 993, 101
1895.....	59, 079, 527	1, 401, 433	38, 141, 632	1, 282, 036	50, 010, 020	1, 786, 483	147, 231, 179	4, 499, 952
1899.....	121, 030, 226	2, 884, 908	23, 245, 501	862, 880	74, 462, 089	2, 568, 383	219, 337, 816	6, 316, 171
1904.....	88, 954, 790	2, 972, 633	27, 535, 232	1, 185, 092	52, 109, 654	2, 523, 141	168, 599, 676	6, 680, 866
1908.....	100, 456, 000	3, 513, 000	28, 217, 000	1, 359, 000	47, 477, 000	1, 970, 000	176, 150, 000	6, 839, 000
1915.....	158, 983, 478	5, 317, 030	34, 707, 623	1, 495, 494	92, 513, 457	2, 488, 098	286, 204, 558	9, 300, 672
1922.....	69, 469, 805	4, 953, 913	22, 871, 764	1, 255, 689	191, 120, 852	6, 773, 981	282, 068, 421	12, 983, 583
1923.....	114, 376, 148	7, 692, 005	33, 001, 878	3, 516, 971	262, 533, 371	7, 726, 160	409, 914, 397	18, 935, 130

¹ The decline in the fisheries of Lake St. Clair, St. Clair and Detroit Rivers is due largely to legal restrictions.

No. 640.—QUANTITY AND VALUE OF THE PRODUCTS OF THE FISHERIES OF THE SPECIFIED SECTIONS—Continued

MIDDLE ATLANTIC STATES

Calendar year	New York		New Jersey		Pennsylvania		Delaware	
	Pounds	Dollars	Pounds	Dollars	Pounds	Dollars	Pounds	Dollars
1880.....	329,452,813	4,225,595	65,151,486	3,176,589	1,680,000	59,100	11,918,203	997,695
1887.....	127,329,718	3,273,286	65,246,231	4,168,124	7,894,734	333,056	10,396,050	211,099
1888.....	189,060,490	3,347,851	61,115,662	4,198,550	12,900,670	344,004	10,225,941	209,553
1889.....	175,936,098	4,181,784	82,361,635	3,170,376	7,165,777	324,530	9,859,163	256,980
1890.....	192,470,691	4,002,157	88,730,048	3,447,351	7,849,236	328,199	10,053,823	267,346
1891.....	170,885,022	4,817,309	79,116,580	3,520,057	7,583,657	322,021	7,697,643	255,423
1892.....	(1)	(1)	73,267,434	3,040,382	6,324,508	284,031	7,194,688	250,653
1897.....	109,555,506	3,391,595	108,782,517	3,614,434	3,604,263	209,507	8,647,897	252,123
1898.....	210,497,376	3,545,189	90,297,118	3,563,766	(1)	(1)	(1)	(1)
1901.....	228,092,285	3,894,270	117,930,964	4,755,522	6,029,538	251,491	5,885,186	203,372
1904.....	277,649,747	6,230,558	90,108,068	3,835,415	2,046,294	167,499	5,608,289	250,590
1908.....	71,474,000	4,380,000	74,827,000	3,099,000	4,380,000	280,000	70,789,000	541,000
1920.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
1921.....	210,377,152	4,986,918	96,936,784	5,933,406	594,613	44,621	25,023,193	652,448

Calendar year	Maryland		Virginia		Total	
	Pounds	Dollars	Pounds	Dollars	Pounds	Dollars
1880.....	95,712,570	5,221,715	158,874,609	3,124,444	662,789,681	16,835,238
1887.....	107,981,976	3,514,182	97,635,402	1,006,811	416,484,120	13,100,558
1888.....	114,788,113	3,813,199	101,318,814	1,836,165	490,015,690	13,749,312
1889.....	(1)	(1)	(1)	(1)	(1)	(1)
1890.....	143,905,576	6,019,165	185,282,705	3,636,351	628,292,049	18,300,569
1891.....	141,177,827	6,400,759	183,963,834	3,647,845	590,464,369	19,023,474
1892.....	(1)	(1)	(1)	(1)	(1)	(1)
1897.....	88,588,018	3,617,306	277,963,949	3,179,498	594,172,210	14,324,463
1898.....	(1)	(1)	(1)	(1)	(1)	(1)
1901.....	82,975,245	3,767,461	378,183,358	4,613,384	819,040,576	17,485,500
1904.....	81,128,806	3,336,560	353,315,798	5,584,354	811,857,062	18,963,970
1908.....	113,790,000	3,306,000	312,515,000	4,716,000	647,761,000	16,302,000
1920.....	59,530,795	4,198,668	471,219,089	8,541,724	(1)	(1)
1921.....	(1)	(1)	(1)	(1)	(1)	(1)

MISSISSIPPI RIVER AND TRIBUTARIES¹

Calendar year	Arkansas River		Atchafalaya River ²		Cumberland River		Illinois River and tributaries		Mississippi River and minor tributaries	
	Pounds	Dollars	Pounds	Dollars	Pounds	Dollars	Pounds	Dollars	Pounds	Dollars
1894.....	593,493	22,812	4,567,859	126,622	193,761	9,989	6,290,803	174,254	21,241,665	537,760
1899.....	460,960	13,247	(1)	(1)	245,047	16,661	14,581,392	386,284	68,004,277	822,984
1903.....	490,930	19,810	(1)	(1)	81,410	7,594	14,770,212	286,212	53,851,316	1,157,390
1922.....	2,038,684	136,289	4,579,220	254,651	728,450	14,677	12,660,512	617,264	33,944,550	1,645,272

Calendar year	Missouri River and tributaries		Ohio River and minor tributaries		Red River and tributaries		St. Francis River and tributaries		Tennessee River and tributaries	
	Pounds	Dollars	Pounds	Dollars	Pounds	Dollars	Pounds	Dollars	Pounds	Dollars
1894.....	1,770,466	74,387	4,508,862	184,906	1,220,250	25,254	1,624,675	40,427	789,538	42,863
1899.....	1,704,522	78,477	2,552,858	140,912	989,156	28,046	3,820,968	134,863	1,255,526	62,951
1903.....	1,497,980	80,360	1,498,676	77,080	608,335	27,987	485,380	19,133	420,315	22,760
1922.....	1,231,542	105,224	7,468,157	379,089	6,676,627	324,542	3,684,040	103,902	4,990,470	95,300

Calendar year	Wabash River and tributaries		White River (Mo. and Ark.) and tributaries		Yazoo River		Total	
	Pounds	Dollars	Pounds	Dollars	Pounds	Dollars	Pounds	Dollars
1894.....	985,501	57,449	656,111	25,313	101,875	2,538	44,544,828	1,384,574
1899.....	344,506	27,664	1,013,625	49,730	1,284,620	19,210	96,797,437	1,781,039
1903.....	315,380	14,015	18,857,112	117,521	435,916	11,936	93,374,150	1,841,168
1922.....	12,062,550	357,833	14,662,413	405,860	1,021,519	55,628	105,733,734	4,503,621

¹ Statistics not available.² The fishery of the Census,³ Statistics of

River and tributaries prior to 1922. Statistics for the Atchafalaya for 1894 were obtained in connection with a canvass of interior waters for that year.

Source: 1908, data published by the Bureau of the Census; other years, reports of the Bureau of Fisheries, Department of Commerce.

No. 641.—FISHERIES: PERSONS ENGAGED, VESSELS AND BOATS, CAPITAL, AND PRODUCTS, BY SECTIONS

Section	Persons engaged	Vessels employed	Boats employed	Capital invested	Products	
					Quantity	Value
				Dollars	Pounds	Dollars
Total, various years.....	151,087	5,696	74,062	201,637,851	2,753,569,503	90,928,686
New York (1924).....	24,513	777	10,022	28,561,824	400,822,165	18,818,132
(1920 and 1921) 1.....	55,244	1,898	20,506	38,774,431	863,081,626	24,407,785
(1923).....	16,298	280	6,016	8,505,259	223,747,930	5,087,340
Gulf States (1923).....	17,793	492	6,899	10,535,905	160,324,042	8,096,650
Pacific Coast States (1922).....	22,270	698	5,214	23,651,490	282,968,421	12,983,583
(1923).....	19,122	13	15,538	7,345,034	105,733,734	4,503,521
(1924).....	8,039	606	3,661	12,046,458	108,732,443	6,680,611
Alaska (1922).....	123	1	95	139,955	1,677,999	110,022
Alaska (1925) 2.....	27,685	931	6,201	67,077,495	594,901,143	10,232,042

¹ Statistics for Maryland and Virginia are for 1920; for New York, New Jersey, Pennsylvania, and Delaware for 1921.

² The value given for the fishery products of Alaska is the estimated value of the fish to the fishermen. The value of the fishery products of Alaska in 1925 as prepared for market was \$40,033,745.

No. 642.—FISHERIES: PRODUCTS LANDED AT BOSTON AND GLOUCESTER, MASS., AND PORTLAND, ME., BY FISHING VESSELS

Port and calendar year	Total, all species	Cod	Had-dock	Hake	Pol-lock	Cusk	Halibut	Mack-erel	Miscel-laneous
Quantity in thousands of pounds									
All three ports:									
1915.....	171,596	45,056	57,944	14,890	13,196	6,331	3,871	10,918	19,300
1918.....	205,501	71,824	66,072	5,281	26,561	2,658	1,781	10,158	20,566
1919.....	196,481	65,374	82,716	4,339	18,752	2,063	2,115	5,713	15,493
1920.....	178,281	62,266	75,279	4,721	8,561	1,855	3,789	7,294	14,516
1921.....	150,865	53,515	67,413	4,536	6,945	2,098	5,066	3,384	7,303
1922.....	159,875	55,180	70,106	5,374	5,097	2,247	5,024	4,727	11,430
1923.....	174,941	62,655	73,762	6,338	4,804	2,993	4,875	11,565	7,945
1924.....	182,948	61,449	79,002	7,285	5,085	3,406	4,422	9,758	11,643
1925.....	216,869	67,250	91,886	5,806	5,290	3,713	3,561	26,210	13,153
Boston:									
1923.....	124,215	38,042	60,543	4,501	3,077	1,540	3,560	6,768	6,184
1924.....	130,966	36,046	68,142	5,700	2,145	1,861	3,035	6,319	6,820
1925.....	140,038	33,215	74,281	4,646	2,760	1,899	2,833	18,387	8,013
Gloucester:									
1923.....	35,030	19,363	7,854	588	1,159	328	108	3,809	1,315
1924.....	35,846	21,035	5,142	271	2,301	747	11	2,941	3,398
1925.....	49,472	26,629	9,581	320	1,823	729	111	7,026	3,252
Portland:									
1923.....	15,697	4,745	5,365	1,248	569	1,131	1,206	988	445
1924.....	16,136	4,368	6,617	1,314	640	798	476	498	1,425
1925.....	18,359	4,406	8,024	840	703	1,084	612	797	1,888
Value in dollars									
All three ports:									
1915.....	4,737,917	1,272,960	1,307,813	282,477	253,288	98,350	323,296	614,079	585,684
1918.....	10,531,548	3,617,205	3,199,276	273,085	902,085	103,031	302,280	1,188,924	885,662
1919.....	7,548,383	2,583,181	2,793,938	181,053	380,515	102,169	387,191	547,242	613,094
1920.....	8,227,013	2,637,637	2,740,062	153,876	262,128	48,070	741,821	763,094	880,335
1921.....	6,722,629	1,736,767	2,046,170	109,603	164,642	37,829	803,074	335,626	494,918
1922.....	7,051,154	1,635,279	1,809,400	111,831	118,006	34,552	784,057	276,499	606,803
1923.....	7,465,932	2,184,141	2,423,177	142,867	152,189	61,728	922,654	487,637	677,261
1924.....	6,992,652	2,138,306	2,308,605	186,101	159,438	63,114	789,609	541,784	800,995
1925.....	8,115,670	2,321,238	2,747,741	173,666	147,582	84,597	655,172	1,191,152	794,422
Boston:									
1923.....	5,433,731	1,446,683	2,142,882	98,087	104,125	32,098	679,259	329,208	601,389
1924.....	5,401,690	1,399,161	2,037,061	148,491	84,287	38,443	711,946	347,916	633,685
1925.....	6,104,278	1,436,774	2,378,410	145,885	91,363	47,184	535,435	858,972	610,255
Gloucester:									
1923.....	919,739	569,421	100,003	9,031	36,156	4,288	22,221	124,258	45,361
1924.....	1,041,476	584,661	89,702	5,144	60,854	12,318	1,012	171,487	116,308
1925.....	1,390,580	747,742	147,759	5,198	42,924	10,812	11,331	305,195	119,619
Portland:									
1923.....	706,684	168,037	180,292	35,249	11,008	25,342	221,174	34,171	30,511
1924.....	549,886	154,494	181,242	32,466	14,297	17,353	76,651	22,881	51,002
1925.....	620,712	136,722	221,572	22,583	13,295	26,601	108,406	26,985	64,548

Source of Tables 641 and 642: Bureau of Fisheries, Department of Commerce.

No. 643.—FISHERY PRODUCTS LANDED AT SEATTLE, WASH., BY AMERICAN FISHING AND COLLECTING VESSELS

Species	Quantity in thousands of pounds				Value in dollars			
	1922	1923	1924	1925	1922	1923	1924	1925
Grand total.....	26,415	27,625	28,233	30,394	2,214,654	2,630,318	2,719,232	2,955,817
Landed by fishing vessels, total.....	11,332	10,238	10,066	12,997	1,249,822	1,321,587	1,329,937	1,594,293
Halibut.....	9,938	7,805	7,363	9,685	1,196,390	1,188,878	1,197,229	1,403,167
Sablefish.....	1,014	2,109	2,030	2,340	46,652	123,514	110,971	160,499
Lingcod.....	258	194	466	692	4,509	4,355	14,403	21,343
Rockfishes.....	122	130	207	280	2,271	4,840	7,354	9,289
Landed by collecting vessels, total.....	15,083	17,387	18,167	17,398	964,832	1,308,731	1,389,295	1,361,519
Sturgeon.....	1	5	23	10	130	500	2,198	1,694
Herring.....	262	218	317	589	3,158	1,900	2,871	3,965
Salmon:								
Humpback or pink.....	242	1,746	80	96	6,620	69,856	2,536	3,503
Chum or keta.....	2,097	1,618	1,725	1,909	49,789	61,442	64,433	72,790
King or spring.....	5,367	7,364	8,999	8,338	534,850	789,494	913,561	830,209
Coho or silver.....	5,858	4,891	5,391	4,895	286,902	280,665	299,093	341,830
Sockeye.....	52	92	118	94	4,320	8,398	10,470	9,369
Trout, rainbow.....	123	185	89	54	12,542	16,020	8,886	4,675
Steelhead.....	192	230	319	202	16,705	22,284	24,622	18,020
Perch.....	31	61	70	91	2,114	4,113	4,902	6,494
Rockfishes.....	115	89	129	96	6,720	4,694	8,044	4,840
Lingcod.....	8	47	51	106	160	2,998	1,678	4,852
Flounders.....	94	71	96	77	1,683	1,556	1,021	1,973
Sole.....	164	232	255	297	5,679	8,443	9,560	13,170
Crabs.....	1 478	2 539	506	3 545	33,370	37,368	34,490	38,188

¹ 21,500 dozen.² 23,459 dozen.³ 24,758 dozen.

Source: Bureau of Fisheries, Department of Commerce.

No. 644.—PRODUCTS OF FISHERIES OF CALIFORNIA

[Expressed in thousands of pounds; that is, 000 omitted]

Species	1920	1921	1922	1923
Total.....	212,635	127,729	468,970	230,831
Albacore and tuna.....	36,144	19,832	17,920	16,562
Barracuda.....	4,584	4,589	4,711	5,136
Bonito or skipjack.....	8,615	1,377	10,999	5,058
Flounders.....	7,793	8,430	11,341	10,485
Mackerel.....	2,997	2,915	2,467	3,554
Pilchard.....	118,518	59,332	93,400	159,197
Rockfishes.....	5,503	4,641	4,238	4,932
Salmon.....	11,077	7,991	7,235	7,090
Sea bass or white squeteague.....	2,376	2,070	2,196	1,782
Yellowtail.....	2,475	2,140	3,111	2,969
Other species.....	12,552	14,414	11,351	14,065
Mexican fishery products imported into California.....	8,121	6,700	12,146	23,957

Source: Bureau of Fisheries, Department of Commerce.

No. 645.—VALUE OF CANNED FISHERY PRODUCTS AND BY-PRODUCTS OF THE UNITED STATES AND ALASKA

[Values in thousands of dollars; that is, 000 omitted. See also census statistics of fish canning, Tables 620 and 727]

Product	1921	1922	1923	1924	1925
Total value.....	54, 987	71, 842	85, 151	82, 458	95, 177
Salmon.....	28, 867	38, 421	45, 534	42, 402	47, 370
California sardines.....	2, 346	3, 361	4, 608	5, 446	6, 381
Maine sardines.....	3, 961	5, 750	5, 289	7, 191	6, 717
Tuna and tuna-like fishes.....	3, 086	4, 373	6, 915	5, 757	8, 499
Shrimps and crabs.....	3, 921	3, 168	4, 429	4, 645	3, 835
Clams.....	1, 167	1, 716	1, 711	2, 161	1, 850
Oysters.....	2, 179	2, 424	2, 720	2, 478	3, 721
Miscellaneous canned products.....	1, 030	1, 180	1, 119	2, 085	2, 204
Menhaden—meal, scrap, and oil.....	4, 006	6, 127	6, 411	3, 810	5, 623
Miscellaneous by-products.....	4, 415	5, 322	6, 415	6, 983	8, 978

Source: Bureau of Fisheries, Department of Commerce.

No. 646.—CANNED SALMON OUTPUT, UNITED STATES AND ALASKA

[All figures expressed in thousands and tenths of thousands; thus, 5,234.9=5,234,900]

Species	Quantity in thousands of 48-pound cases					Value in thousands of dollars				
	Grand total	United States			Alaska	Grand total	United States			Alaska
		Total	Wash- ington	Oregon and Cali- fornia			Total	Wash- ington	Oregon and Cali- fornia	
Total, all species:										
1922.....	5, 234.9	733.2	441.7	291.6	4, 501.7	38, 420.7	8, 633.5	4, 823.1	3, 810.5	29, 787.2
1923.....	6, 403.0	1, 367.3	975.8	391.5	5, 035.7	45, 533.6	12, 000.6	7, 533.4	5, 127.1	32, 873.0
1924.....	6, 253.6	958.7	542.0	416.7	5, 294.9	42, 401.0	9, 394.5	5, 062.1	4, 332.4	33, 007.1
1925.....	6, 018.0	1, 558.6	1, 132.5	426.2	4, 459.9	47, 369.5	15, 380.0	10, 079.5	5, 300.4	31, 989.5
Coho or silver:										
1923.....	409.7	245.5	155.8	89.7	164.1	2, 551.9	1, 608.6	1, 009.7	607.9	943.3
1924.....	414.7	231.1	117.7	113.4	183.6	3, 028.6	1, 774.1	906.4	867.7	1, 264.6
1925.....	468.6	307.0	203.9	103.6	161.0	4, 878.8	3, 313.1	2, 240.0	1, 073.1	1, 565.8
Chum or keta:										
1923.....	680.0	154.3	140.9	13.4	525.6	3, 217.5	769.8	688.4	81.5	2, 447.7
1924.....	1, 276.3	247.9	159.0	58.9	1, 028.5	6, 004.5	1, 192.2	898.0	294.1	4, 812.3
1925.....	1, 212.0	133.4	97.2	36.2	1, 078.7	5, 478.2	641.3	404.5	176.8	4, 787.0
Humpback or pink:										
1923.....	2, 893.3	445.2	443.1	2.1	2, 448.1	14, 111.7	2, 211.7	2, 200.6	11.2	11, 900.0
1924.....	2, 614.1	12.6	8.8	4.0	2, 601.3	12, 916.8	79.4	57.6	21.8	12, 837.3
1925.....	2, 662.0	551.4	547.5	3.9	2, 110.6	14, 289.4	3, 152.3	3, 131.0	21.3	11, 137.1
King, Chinook, or spring:										
1923.....	423.0	384.7	147.8	236.9	33.3	6, 118.7	5, 790.4	2, 104.4	3, 686.0	328.3
1924.....	382.7	349.0	134.6	214.4	33.6	4, 898.8	4, 599.8	1, 723.0	2, 876.8	299.0
1925.....	482.6	432.6	168.2	264.4	50.0	6, 585.1	5, 990.0	2, 233.4	3, 756.6	595.0
Red or sockeye:										
1923.....	1, 964.8	105.3	77.0	28.3	1, 859.5	19, 200.3	1, 955.5	1, 423.0	532.5	17, 253.2
1924.....	1, 533.7	85.8	50.6	5.2	1, 447.9	15, 282.6	1, 478.7	1, 384.8	93.9	13, 803.0
1925.....	1, 178.1	118.4	114.3	4.1	1, 059.7	15, 970.6	2, 066.0	1, 990.0	75.9	13, 904.6
Steelhead:										
1923.....	32.2	32.2	11.2	21.0	-----	324.4	324.4	116.4	208.0	-----
1924.....	32.1	32.1	11.3	20.8	-----	270.3	270.3	92.3	178.1	-----
1925.....	15.3	15.3	1.3	14.0	-----	217.3	217.3	20.5	196.7	-----

Source: Bureau of Fisheries, Department of Commerce.

No. 647.—CANNED SALMON: OUTPUT AND PRICES OF ALASKA PRODUCT

Calendar year	Total value of pack (dollars)	Output, equivalent in cases of forty-eight 1-pound cans					
		Total	Coho or silver	Chum or keta	Humpback or pink	King or spring	Red or sockeye
1910.....	11,086,322	2,438,777	114,189	254,218	557,508	40,275	1,472,587
1912.....	16,291,927	4,054,641	166,198	664,633	1,280,138	43,317	1,900,355
1913.....	13,531,604	3,739,185	75,779	200,918	1,372,881	34,370	1,965,237
1914.....	18,920,589	4,056,653	157,063	663,859	986,049	48,039	2,201,643
1915.....	18,653,015	4,500,293	124,268	479,946	1,875,516	88,251	1,932,312
1916.....	23,269,429	4,900,627	261,909	724,115	1,737,793	65,873	2,110,937
1917.....	46,304,090	5,947,286	193,231	906,747	2,296,970	61,951	2,488,381
1918.....	51,041,949	6,605,835	218,958	1,364,960	2,438,954	49,226	2,533,737
1919.....	43,265,349	4,583,688	232,870	1,365,563	1,611,608	95,983	1,277,661
1920.....	35,602,800	4,429,463	192,085	1,033,517	1,593,120	110,003	1,500,738
1921.....	19,632,744	2,596,826	106,555	255,495	423,984	44,994	1,765,798
1922.....	29,787,193	4,501,652	175,993	565,918	1,658,423	30,660	2,070,658
1923.....	32,873,007	5,035,697	164,107	525,622	2,448,129	38,343	1,859,496
1924.....	33,007,135	5,294,915	183,601	1,028,488	2,601,283	33,648	1,447,895
1925.....	31,989,531	4,459,937	161,010	1,078,680	2,110,593	49,978	1,059,676

AVERAGE ANNUAL PRICE IN DOLLARS PER CASE OF FORTY-EIGHT 1-POUND CANS

Calendar year	Coho or silver	Chum or keta	Humpback or pink	King or spring	Red or sockeye	Calendar year	Coho or silver	Chum or keta	Humpback or pink	King or spring	Red or sockeye
1910.....	4.89	3.04	3.15	5.34	5.30	1918.....	9.15	6.27	6.58	9.85	9.44
1911.....	5.67	3.72	3.94	6.48	6.33	1919.....	11.27	6.82	8.35	13.13	12.98
1912.....	4.44	2.37	2.55	5.37	5.45	1920.....	9.13	4.19	5.47	10.97	13.05
1913.....	3.45	2.21	2.58	4.04	4.54	1921.....	5.63	3.68	4.21	10.22	8.96
1914.....	4.30	3.37	3.50	5.01	5.58	1922.....	5.47	3.98	4.34	8.08	9.24
1915.....	4.31	2.59	2.78	4.63	5.82	1923.....	5.74	4.65	4.86	8.56	9.24
1916.....	5.34	3.34	3.64	5.36	6.04	1924.....	6.83	4.68	4.93	8.89	9.53
1917.....	8.76	6.14	6.44	10.40	9.48	1925.....	9.72	4.44	5.28	11.91	13.12

Source: Bureau of Fisheries, Department of Commerce.

No. 648.—ALASKA FISHERIES: SUMMARY OF PRODUCTS

Product	Quantity in thousands of unit specified						Value in thousands of dollars				
	Unit	1910	1915	1920	1924	1925	1910	1915	1920	1924	1925
Total.....							12,670	21,006	41,492	40,290	40,039
Salmon:											
Canned.....	Case.....	2,439	4,500	4,429	5,295	4,460	11,086	18,653	35,603	33,007	31,990
Fresh and frozen.....	Pound.....	1,320	3,137	5,165	4,495	5,193	59	219	424	369	395
Cured, all forms.....	do.....	7,744	4,929	3,067	8,184	6,895	355	341	510	1,352	1,297
By-products.....	do.....		1,922	2,071	2,127	1,738		40	105	65	60
Halibut, fresh and frozen.....	do.....	21,630	15,718	15,295	15,038	10,972	810	812	1,727	1,619	884
Herring:											
Cured for food.....	do.....	839	7,195	8,582	19,912	35,171	15	114	542	1,697	2,323
Bait.....	do.....	1,107		4,085	3,599	7,087	10		41	35	39
By-products.....	do.....	4,694	2,213	11,186	17,945	17,634	95	41	720	727	1,490
Cod.....	do.....	3,029	14,196	12,764	1,580	2,854	63	390	1,117	101	129
Sable fish.....	do.....	97	143	584	227	1,043	2	4	29	10	45
Trout.....	do.....	111	42	99	61	53	5	3	14	7	6
Other fish.....	do.....	117	106	11	33	89	6	7		3	4
Shrimps.....	do.....			112	528	520			49	223	207
Crabs.....	do.....	149	14	8	122	206	7	1	2	49	53
Clams.....	do.....	10		222	2,341	2,066			47	629	402
Whales:											
Oil.....	do.....	2,744	7,337	8,317	4,749	7,224	117	333	436	336	556
Fertilizer.....	do.....	1,664	2,990	3,190	2,189	2,444	25	48	120	48	87
All other.....	do.....	172		18	202	797	15		6	8	12

Source: Bureau of Fisheries, Department of Commerce.

No. 649.—FISH PROPAGATION: SUMMARY OF OUTPUT OF FISH EGGS, FRY, AND FINGERLINGS, BY UNITED STATES BUREAU OF FISHERIES

[All quantities expressed in thousands; that is, 000 omitted]

Year ended June 30—	Total	Eggs	Fry	Finger- lings	Cost per million ¹
1895	619,916	55,408	561,894	2,613	\$292.64
1900	1,164,337	83,632	1,070,737	4,898	250.00
1915	4,288,753	536,260	3,694,282	58,210	131.55
1916	4,847,263	425,701	4,339,800	92,261	117.85
1917	5,138,963	318,939	4,757,909	82,115	114.46
1918	4,098,105	147,048	3,782,092	168,965	147.08
1919	5,876,985	1,177,871	4,547,340	151,774	104.67
1920	4,770,856	680,749	3,872,218	267,888	130.11
1921	4,902,489	1,109,097	3,626,263	226,590	128.06
1922	5,125,101	1,008,981	3,716,688	399,432	120.36
1923	4,314,850	1,463,730	2,586,812	264,316	143.30
1924	5,361,811	1,237,582	3,863,848	260,381	115.25
1925	5,301,862	1,050,393	4,114,514	136,954	135.61

Species	Year ended June 30, 1924				Year ended June 30, 1925			
	Total	Eggs	Fry	Finger- lings	Total	Eggs	Fry	Finger- lings
Total	5,361,811	1,237,582	3,863,848	260,381	5,301,862	1,050,393	4,114,514	136,954
Catfish	30,246	—	—	30,246	14,310	—	—	14,310
Carp	79,069	13,500	28,875	36,694	42,460	—	31,500	10,959
Buffalo fish	305,435	281,729	—	23,706	144,224	127,400	12,563	4,261
Shad	15,033	—	15,033	—	17,158	—	17,158	—
Glut herring	93,000	—	93,000	—	92,000	—	92,000	—
Whitefish	372,780	73,560	290,220	—	172,970	340	172,630	—
Cisco	138,360	10,060	128,360	—	126,900	8,000	118,900	—
Silver salmon	22,850	—	11,420	11,430	14,837	862	10,178	3,797
Chinook salmon	56,113	12,785	1,801	41,526	52,717	7,505	2,528	42,684
Sockeye salmon	42,308	3,320	8,820	30,169	35,112	3,150	28,070	3,892
Chum salmon	24,278	—	23,512	766	16,051	—	16,051	—
Humpback salmon	1,272	—	1,200	12	10,893	—	10,893	—
Steelhead salmon	7,491	2,180	384	4,927	2,056	604	125	1,327
Atlantic salmon	501	—	494	7	1,422	—	1,410	12
Landlocked salmon	998	91	752	155	1,117	81	816	220
Rainbow trout	5,097	1,261	1,261	3,076	7,325	3,009	1,990	2,326
Black-spotted trout	22,357	13,332	6,315	2,710	23,163	16,802	4,776	1,585
Loch Leven trout	4,274	2,178	—	2,096	9,587	8,803	—	784
Lake trout	36,440	1,840	34,287	313	36,072	2,940	32,822	310
Brook trout	12,639	18	3,032	9,569	16,032	500	2,776	12,759
Silver trout	—	—	—	—	100	—	—	100
Grayling	—	—	—	—	4,877	—	4,877	—
Smelt	17,300	8,000	9,300	—	—	—	—	—
Pike and pickerel	8,176	—	7,392	784	709	—	—	709
Fresh-water drum	231	—	—	231	10	—	—	10
Crappie	22,576	—	—	22,576	16,884	—	—	16,884
Largemouth black bass	2,387	—	711	1,676	2,750	—	1,135	1,615
Smallmouth black bass	666	—	596	70	587	—	545	42
Sunfish	27,553	—	—	27,553	13,895	—	—	13,895
Pike perch	168,255	97,005	71,250	238,691	238,691	122,450	116,100	141
Yellow perch	212,640	—	212,009	630	90,394	5,850	83,989	555
Cod	873,778	481,355	392,423	—	1,060,777	598,065	462,712	—
Pollock	263,440	—	263,440	—	222,896	—	222,896	—
Mackerel	—	—	—	—	3,517	—	3,517	—
Haddock	237,920	235,330	2,590	—	163,377	130,365	24,511	—
Winter flounder	2,244,290	—	2,244,290	—	2,641,713	4,607	2,637,051	—
Miscellaneous fishes	8,646	—	—	8,646	8,607	—	—	3,697

¹ Includes all expenditures chargeable to fish culture and distribution and salaries of all employees in the fish-cultural field services and the administrative and clerical work of the Bureau of Fisheries, D. C.

Source: Reports of the Bureau of Fisheries, Department of Commerce.

MINING AND MINERAL PRODUCTS

[NOTE.—For index numbers of mineral production see Table 731, p. 786]

No. 650.—TOTAL VALUE OF MINERAL PRODUCTS OF THE UNITED STATES

[All figures in millions of dollars]

Yearly average and year	Total	Metallic	Non-metallic	Un-specified	Year	Total	Metallic	Non-metallic	Un-specified
1881-1885.....	426	191	229	0	1910.....	1,988	750	1,238	(1)
1886-1890.....	541	248	292	1	1911.....	1,924	681	1,243	(1)
1891-1895.....	592	244	347	1	1912.....	2,238	862	1,375	(1)
1896-1900.....	828	366	461	1	1913.....	2,434	879	1,554	(1)
1901-1905.....	1,392	578	813	1	1914.....	2,111	687	1,424	(1)
1906-1910.....	1,857	769	1,118	(1)	1915.....	2,395	992	1,400	2
1911-1915.....	2,220	820	1,399	1	1916.....	3,508	1,621	1,884	3
1916-1920.....	5,124	1,796	3,322	5	1917.....	4,002	2,086	2,900	6
1921-1925.....	5,155	1,153	3,998	5	1918.....	5,541	2,153	3,381	7
1903.....	1,495	589	906	1	1919.....	4,596	1,360	3,233	3
1904.....	1,359	501	858	(1)	1920.....	6,981	1,762	5,214	5
1905.....	1,624	703	921	(1)	1921.....	4,139	654	3,482	3
1906.....	1,901	886	1,015	(1)	1922.....	4,647	987	3,666	4
1907.....	2,070	904	1,165	(1)	1923.....	5,987	1,511	4,472	4
1908.....	1,592	551	1,041	(1)	1924.....	5,306	1,232	4,068	6
1909.....	1,887	755	1,132	(1)	1925.....	5,696	1,380	4,310	6

¹ Less than \$500,000.

Source: Bureau of Mines, Department of Commerce.

No. 651.—YEARLY AVERAGE PRICES OF NONFERROUS METALS

[Prices are cents per pound, except quicksilver (dollars per flask) and platinum (dollars per ounce)]

Year	Copper, electrolytic (New York)	Lead (New York)	Tin ¹ (New York)	Zinc (New York)	Zinc (St. Louis)	Antimony (New York)	Quicksilver (New York)	Platinum (New York)
1895.....	² 10.76	3.23	14.05	3.03	-----	7.560	39.58	-----
1898.....	² 12.03	3.78	15.70	4.57	-----	8.690	40.70	-----
1899.....	16.67	4.47	25.12	5.75	-----	9.430	43.03	15.22
1900.....	16.19	4.37	29.90	4.39	-----	9.500	51.00	18.09
1901.....	16.11	4.33	26.74	4.07	-----	8.250	47.00	20.00
1902.....	11.629	4.069	26.79	4.84	-----	6.120	45.03	19.00
1903.....	13.235	4.237	28.09	5.40	5.191	6.000	41.32	18.91
1904.....	12.823	4.309	27.99	5.100	4.931	6.371	41.00	19.50
1905.....	15.590	4.707	31.358	5.882	5.730	10.250	38.50	20.34
1906.....	19.278	5.657	39.819	6.198	6.048	21.730	40.90	28.04
1907.....	20.004	5.325	38.166	5.962	5.812	14.840	41.50	30.98
1908.....	13.208	4.200	29.465	4.720	4.578	8.004	44.84	16.32
1909.....	12.982	4.273	29.725	5.503	5.352	7.466	46.30	24.87
1910.....	12.738	4.446	34.123	5.520	5.370	7.386	47.06	32.70
1911.....	12.376	4.420	42.281	5.758	5.608	7.540	46.54	43.12
1912.....	16.341	4.471	46.096	6.943	6.799	7.700	42.46	45.55
1913.....	15.269	4.370	44.262	5.648	5.504	7.520	39.54	44.88
1914.....	13.602	3.862	34.301	5.213	5.061	8.763	43.81	46.14
1915.....	17.275	4.673	38.590	13.280	13.054	30.250	37.01	47.13
1916.....	27.202	6.858	43.480	12.804	12.634	25.370	125.49	83.40
1917.....	27.180	8.787	61.802	8.901	8.730	20.690	106.30	102.82
1918.....	³ 24.628	7.413	(4)	8.159	7.890	12.581	123.47	105.95
1919.....	18.691	5.759	63.328	7.338	6.988	8.190	92.15	114.61
1920.....	17.456	7.957	48.273	(4)	7.071	8.485	81.12	110.90
1921.....	12.502	4.545	28.576	(4)	4.655	4.957	45.46	75.03
1922.....	13.382	5.734	31.831	(4)	5.716	5.471	58.94	97.61
1923.....	14.421	7.267	41.799	(4)	6.607	7.897	66.60	116.53
1924.....	13.024	8.097	49.874	(4)	6.344	10.636	69.76	118.81
1925.....	14.042	9.020	55.790	(4)	7.622	17.494	83.13	119.09

¹ 99 per cent tin.

² Prices 1895 to 1898 are for Lake copper.

³ Average of 11 months, no quotations being made in December.

⁴ No average computed.

Source: Review Number and Year Book, Engineering and Mining Journal-Press.

**No. 652.—MINES AND QUARRIES, PRODUCING AND NONPRODUCING:
PRINCIPAL STATISTICS, 1919**

	Total	Continental United States	Alaska	Hawaii	Porto Rico
Number of enterprises.....	22,361	21,997	346	5	13
Number of mines and quarries.....	14,802	14,417	367	5	13
Number of petroleum and natural gas wells.....	257,681	257,673	8		
Number of natural-gas gasoline plants.....	1,115	1,115			
Persons engaged, total.....	1,038,444	1,034,796	3,267	155	226
Proprietors and firm members, total.....	22,760	22,155	593	4	17
Salaried employees.....	75,688	75,457	199	6	28
Wage earners (average number).....	989,987	987,184	2,475	145	183
Power used (aggregate horsepower).....	6,816,814	6,789,475	29,979	325	35
Capital.....	\$7,225,446,992	\$7,108,623,496	\$116,626,441	\$112,882	\$84,173
Principal expenses.....	2,556,682,424	2,545,925,350	10,493,020	171,850	92,204
Salaries.....	151,820,643	151,272,451	533,076	5,533	9,583
Wages.....	1,309,565,597	1,304,409,342	5,010,611	89,365	56,279
Supplies and materials.....	531,688,470	528,853,639	2,789,755	34,423	10,653
Cost of ore, coal, and natural gas purchased as material or for resale.....	35,905,352	35,905,352			
Fuel and purchased power.....	124,610,063	123,509,588	1,080,348	14,560	5,557
Royalties and rents.....	176,478,995	176,129,558	314,066	26,282	8,789
Taxes.....	141,878,154	141,587,734	307,390	1,687	1,343
Contract work.....	82,696,872	82,239,098	457,774		
Value of products.....	3,174,507,462	3,158,465,966	15,634,801	250,588	158,157

Source: Bureau of the Census, Department of Commerce.

No. 653.—PRODUCING MINES AND QUARRIES: PRINCIPAL STATISTICS

	Continental United States				
	1889	1902	1909	1919	Per cent of increase 1909-1919
Number of enterprises.....	(?)	46,858	21,268	21,280	0.1
Number of mines and quarries.....	22,084	17,039	18,164	13,844	-23.8
Number of petroleum wells.....	37,410	123,200	166,320	257,673	54.9
Number of natural-gas gasoline plants.....				1,115	
Persons engaged.....			1,041,682	1,077,675	3.5
Proprietors and firm members, total.....	(?)	(?)	29,922	21,918	-26.7
Number performing manual labor.....	(?)	(?)	8,861	5,245	-40.8
Salaried employees.....	6,541	38,128	44,127	74,197	68.1
Wage earners (average number).....	536,043	581,728	967,633	981,560	1.4
Wage earners, Dec. 15, or nearest representative day, total.....	3 536,043	3 581,728	1,065,283	1,058,189	2.2
Above ground.....	244,127	221,505	366,902	352,766	4.3
Below ground.....	291,916	360,223	698,321	705,423	1.0
Power used (aggregate horsepower).....	(?)	2,867,562	4,608,253	6,723,786	45.9
Capital.....	\$1,310,535,318	(?)	\$3,380,525,841	\$6,055,466,831	105.0
Principal expenses:					
Salaries.....	5,520,600	\$39,020,552	53,393,551	149,328,985	179.7
Wages.....	222,041,887	369,959,900	586,774,079	1,295,936,226	103.8
Supplies and materials.....	86,075,925	123,814,967	173,411,438	519,593,670	199.6
Cost of ore, coal, and natural gas purchased as material or for resale.....			20,318,316	35,905,352	22.5
Fuel and purchased power.....	(?)	(?)	45,136,550	122,105,930	170.5
Royalties and rents.....	(?)	34,580,713	63,073,585	175,293,984	174.0
Taxes.....	(?)	(?)	17,796,753	140,999,626	692.3
Contract work.....	(?)	20,677,938	28,887,898	79,380,177	174.8
Value of products.....	438,111,548	796,826,417	1,298,410,322	3,158,463,966	155.0

1 A minus sign (—) denotes decrease.

2 Not reported.

3 Average number.

4 Comparable figures not available.

5 Includes cost of fuel.

Source: Bureau of the Census, Department of Commerce.

No. 654.—SIZE OF PRODUCING ESTABLISHMENTS, MINES AND QUARRIES:
By VALUE OF PRODUCTS AND BY NUMBER OF WAGE EARNERS, 1919

Industry and value of products per enterprise	Number	Value of products		Industry and wage earners per enterprise	Enterprises		Wage earners	
		Amount	Per cent		Number	Per cent	Average number	Per cent
All industries	21,280	\$3,158,483,966	100.0	All industries	21,280	100.0	981,560	100.0
Less than \$5,000	6,586	15,228,604	0.5	No wage earners	3,722	17.5		
\$5,000 to \$20,000	5,539	58,745,473	1.9	1 to 5	7,912	37.2	16,761	1.7
	4,990	237,600,990	7.5	6 to 20	3,948	18.6	44,506	4.5
	3,005	686,788,422	21.7	21 to 50	2,309	10.9	76,040	7.7
\$500,000 to \$1,000,000	684	472,131,636	14.9	51 to 100	1,372	6.4	98,621	10.0
\$1,000,000 to \$5,000,000	392	754,160,595	23.9	101 to 500	1,743	8.2	377,339	38.4
\$5,000,000 and over	84	933,808,246	29.6	501 to 1,000	182	0.9	125,278	12.8
				Over 1,000	92	0.4	243,015	24.8
Anthracite coal	264	\$84,084,142	100.0	Anthracite coal	264	100.0	147,372	100.0
Less than \$5,000	37	89,977	(1)	No wage earners	2	0.8		
\$5,000 to \$20,000	38	440,045	0.1	1 to 5	62	24.4	139	0.1
\$20,000 to \$100,000	43	1,843,631	0.5	6 to 20	39	15.4	469	0.2
	39	10,076,964	2.8	21 to 50	20	7.9	629	0.4
	32	24,276,649	6.7	51 to 100	13	5.1	981	0.7
\$1,000,000 to \$5,000,000	48	83,086,309	22.8	101 to 500	63	24.8	18,240	12.4
\$5,000,000 and over	17	244,270,547	67.1	501 to 1,000	33	13.0	21,804	14.8
				Over 1,000	22	8.7	105,110	71.3
Bituminous coal	6,636	1,145,977,585	100.0	Bituminous coal	6,636	100.0	546,798	100.0
Less than \$5,000	818	2,711,023	0.2	No wage earners	62	0.9		
\$5,000 to \$20,000	1,618	17,614,491	1.5	1 to 5	1,512	22.8	4,337	0.8
\$20,000 to \$100,000	2,006	100,379,635	8.8	6 to 20	1,549	23.3	18,074	3.3
\$100,000 to \$500,000	1,651	386,075,398	33.7	21 to 50	1,238	18.7	41,009	7.5
\$500,000 to \$1,000,000	377	257,196,333	22.4	51 to 100	888	13.4	64,355	11.8
\$1,000,000 to \$5,000,000	156	289,392,384	25.3	101 to 500	1,241	18.7	252,288	47.5
\$5,000,000 and over	10	92,608,301	8.1	501 to 1,000	101	1.5	68,737	12.6
				Over 1,000	45	0.7	89,998	16.5
Petroleum and natural gas	9,814	\$81,798,423	100.0	Petroleum and natural gas	9,814	100.0	93,206	100.0
Less than \$5,000	4,348	9,531,235	1.0	No wage earners	3,292	33.5		
\$5,000 to \$20,000	2,797	28,919,564	3.1	1 to 5	4,925	50.2	8,852	9.5
\$20,000 to \$100,000	1,696	75,785,417	8.1	6 to 20	1,034	10.5	11,036	11.8
\$100,000 to \$500,000	684	180,748,376	16.2	21 to 50	296	3.0	9,874	10.6
\$500,000 to \$1,000,000	156	109,951,280	11.8	51 to 100	133	1.4	9,592	10.3
\$1,000,000 to \$5,000,000	96	204,187,367	21.9	101 to 500	102	1.0	21,978	23.6
\$5,000,000 and over	37	352,670,184	37.8	501 to 1,000	24	0.2	17,358	18.6
				Over 1,000	8	0.1	14,515	15.6
Iron ore	290	218,217,905	100.0	Iron ore	290	100.0	45,741	100.0
Less than \$5,000	15	36,040	(1)	No wage earners	5	1.7		
\$5,000 to \$20,000	29	392,775	0.2	1 to 5	21	7.2	63	0.1
\$20,000 to \$100,000	69	3,774,321	1.7	6 to 20	43	14.8	574	1.3
\$100,000 to \$500,000	98	26,543,784	12.1	21 to 50	57	19.7	2,180	4.8
\$500,000 to \$1,000,000	41	28,239,920	12.9	51 to 100	54	18.6	3,822	8.4
\$1,000,000 to \$5,000,000	35	63,674,560	29.2	101 to 500	102	35.2	31,032	67.8
\$5,000,000 and over	3	95,646,505	43.8	501 to 1,000	7	2.4	5,535	12.1
				Over 1,000	1	0.3	2,535	5.5

¹ Less than one-tenth of 1 per cent.

No. 655.—HOURS OF LABOR IN MINES AND QUARRIES, 1919

Industry	Total wage earners	Wage earners in mines where the prevailing hours of labor per week were—					
		35 and under	36 to 43	44 to 53	54 to 62	63 to 71	72 to 84
All industries	981,560	17,755	19,856	721,699	182,126	26,841	13,093
Coal:							
Anthracite.....	147,372		315	145,787	807	442	21
Bituminous.....	545,798	15,978	17,163	485,574	25,222	1,841	20
Petroleum and natural gas.....	93,206	1,295	327	13,227	44,068	21,726	12,562
Iron ore	45,741	11	219	20,311	24,637	563	
Copper.....	43,717		7	21,150	21,166	1,394	
Limestone.....	22,069	57	24	3,774	17,934	280	
Lead and zinc.....	21,884	115		15,082	6,684		3
Gold and silver; lode mines.....	15,436		3	3,595	11,586	251	1
Gold, placer mines.....	1,380			62	1,243	72	3
Granite.....	8,049	43	1,195	4,829	1,948	34	
Clay.....	5,453	27	33	2,351	3,033	4	5
Phosphate rock.....	4,373	5	30	309	3,683		346
Sandstone.....	4,287		8	488	3,688	108	
Slate.....	3,513		335	963	2,170	45	
Basalt.....	3,336	20	3	728	2,585		
Gypsum.....	2,191		830	1,317		43	
Marble.....	1,732			50	1,667	15	
Sulphur.....	1,129				1,129		
All other	10,895	204	193	2,794	7,559	23	122

Source of Tables 654 and 655: Bureau of the Census, Department of Commerce.

No. 656.—PRODUCING MINES AND QUARRIES: SUMMARY BY INDUSTRIES

Industry	Number of enterprises ¹		Wage earners (average number)		Power used (aggregate horsepower)		Wages		Value of products	
							1909	1919	1909	1919
	1909	1919	1909	1919	1909	1919	Expressed in thousands of dollars			
All industries ²	19,915	21,280	967,633	981,580	4,608,253	6,723,788	586,774	1,265,936	1,238,410	3,158,464
FUELS										
Coal—										
Anthracite.....	192	254	169,367	147,372	676,753	899,783	92,318	210,289	140,180	364,084
Bituminous.....	3,503	6,636	511,723	545,798	1,227,401	2,155,412	294,196	682,601	427,962	1,145,978
Petroleum and natural gas.....	7,793	9,814	36,744	93,205	1,221,969	1,821,342	27,092	134,521	185,417	931,793
METALS										
Iron ore.....	170	290	47,246	45,741	346,534	370,869	29,731	75,713	106,947	218,218
Copper.....	161	195	51,643	43,717	376,404	523,591	49,888	66,390	134,617	181,258
Gold and silver:										
Lode mines.....	1,604	740	29,428	15,430	200,066	149,680	30,808	23,818	83,886	58,832
Placer mines.....	678	112	3,084	1,360	27,278	35,632	2,670	1,914	10,237	9,369
Lead and zinc.....	977	432	16,807	21,884	110,559	229,541	10,478	30,708	31,363	75,579
Manganese.....	5	35	50	909	215	5,800	12	1,086	81	2,188
Quicksilver.....	12	26	544	748	784	2,607	408	748	868	1,803
Rare metals.....	26	22	531	633	3,237	3,544	(*)	748	9,686	1,726
STONE										
Limestone.....	1,666	895	30,289	22,069	125,024	213,717	14,082	23,926	29,832	52,944
Granite.....	707	358	18,744	8,049	61,095	55,674	11,112	8,588	18,998	18,279
Sandstone.....	1,168	256	9,812	4,287	36,556	33,869	4,761	4,449	9,291	10,685
Basalt.....	196	163	5,256	3,386	29,211	37,307	2,539	3,991	5,578	9,658
Slate.....	185	101	8,303	3,513	29,777	20,613	4,089	3,128	6,054	5,721
Marble.....	77	48	6,166	1,732	21,779	15,628	3,079	1,452	6,239	4,398
MISCELLANEOUS										
Abrasive materials.....	49	34	403	317	1,344	1,748	(*)	322	-----	722
Asbestos.....	5	10	54	146	850	420	31	92	65	250
Asphalt.....	12	9	205	324	828	648	120	295	466	750
Barytes.....	23	89	240	919	262	3,029	90	769	225	1,592
Bauxite.....	10	10	503	738	1,565	2,507	198	942	671	2,190
Clay.....	261	345	3,262	5,453	8,868	21,243	1,362	5,367	2,946	10,086
Feldspar.....	22	30	247	349	903	1,782	107	264	271	584
Fluorspar.....	13	54	290	1,124	1,179	7,138	168	1,196	289	3,335
Fuller's earth.....	16	9	327	824	1,739	2,538	119	541	316	2,019
Graphite.....	10	21	294	419	2,647	6,410	160	342	344	809
Gypsum.....	78	47	3,462	2,191	17,685	15,032	1,821	2,478	5,813	6,806
Magnesite.....	6	11	50	448	120	2,540	32	652	68	2,170
Mica.....	78	65	272	448	463	803	125	288	207	607
Mineral waters.....	14	11	51	37	-----	220	17	48	34	65
Other minerals.....	23	23	151	185	849	1,630	44	174	151	481
Phosphate rock.....	51	48	7,873	4,373	50,526	49,639	3,216	3,901	10,781	10,300
Pyrite.....	11	17	1,086	1,172	5,758	7,338	408	1,385	677	2,409
Silica.....	14	24	158	166	1,219	2,032	82	166	231	372
Sulphur.....	4	4	366	1,129	3,114	15,291	325	1,682	4,432	17,936
Talc and soapstone.....	39	28	1,256	958	9,433	7,053	504	835	1,175	2,302

¹ Operators, not enterprises in 1909.² The totals for all industries include, besides those specified, statistics for the chromite industry in 1919 and for the borax, chromite, magnesite, marble, monazite, and zircon, peat, and precious stones industries in 1909, for which no statistics were given. The value of products of these industries was less than one-tenth of 1 per cent for all industries in 1919 and one-tenth of 1 per cent in 1909.

(*) Figures not available.

Source: Bureau of the Census, Department of Commerce.

No. 657.—PRODUCING MINES AND QUARRIES: SUMMARY BY STATES

Division and State	Number of enterprises ¹		Wage earners (average number)		Power used (aggregate horsepower)		Wages		Value of products	
							1909	1919	1909	1919
	1909	1919 ²	1909	1919	1909	1919	Expressed in thousands of dollars			
United States.....	19,915	21,280	967,633	961,560	4,608,253	6,723,786	586,774	1,295,936	1,238,410	3,158,464
New England.....	510	302	17,048	7,213	61,259	62,750	8,814	8,036	17,328	18,723
Maine.....	97	50	2,144	979	8,141	6,277	1,332	1,052	2,056	1,823
New Hampshire.....	45	30	1,418	682	3,771	4,336	926	826	1,309	1,568
Vermont.....	137	93	8,145	2,936	25,668	28,119	4,449	3,042	8,221	8,555
Massachusetts.....	139	74	3,291	1,704	15,081	12,498	1,967	2,009	3,468	4,176
Rhode Island.....	21	14	665	369	2,350	3,000	410	400	898	952
Connecticut.....	71	41	1,385	543	6,298	8,520	730	647	1,376	1,649
Middle Atlantic.....	6,333	6,604	376,633	334,175	1,738,613	3,124,682	204,992	458,109	370,742	858,891
New York.....	1,351	700	9,305	6,202	101,759	91,339	4,717	7,497	13,335	25,131
New Jersey.....	131	97	6,315	4,576	18,048	33,901	2,801	5,393	8,347	9,309
Pennsylvania.....	4,851	5,807	361,013	323,397	1,618,806	1,999,422	197,474	445,219	349,060	819,451
East North Central.....	4,152	3,772	190,468	190,011	913,857	1,150,153	118,673	237,638	237,533	450,482
Ohio.....	1,876	2,283	50,567	49,298	294,763	337,611	26,769	58,110	63,767	134,518
Indiana.....	1,010	503	23,936	26,751	95,039	129,693	14,783	30,193	21,934	52,840
Illinois.....	915	772	72,086	79,123	225,330	318,231	46,379	94,179	76,659	178,673
Michigan.....	83	122	39,169	31,292	273,861	337,882	27,661	50,406	67,714	103,870
Wisconsin.....	208	92	4,710	3,547	24,864	26,766	3,081	4,750	7,459	10,581
West North Central.....	2,300	1,726	75,196	62,258	370,390	426,242	50,568	84,287	130,252	280,111
Minnesota.....	153	135	16,586	17,265	151,834	144,199	11,907	29,383	58,605	130,399
Iowa.....	373	198	16,489	11,274	23,453	32,171	10,870	12,466	13,878	18,474
Missouri.....	1,021	468	23,420	14,857	109,672	100,160	14,394	16,797	31,667	33,866
North Dakota.....	53	79	562	774	2,025	2,037	364	1,029	565	1,027
South Dakota.....	39	23	3,456	1,785	15,648	11,844	3,225	2,497	6,432	5,314
Nebraska.....	18	9	349	162	815	1,847	170	166	322	293
Kansas.....	643	814	14,343	16,136	66,943	133,984	9,036	21,949	18,723	90,338
South Atlantic.....	1,358	2,281	109,210	129,895	536,648	849,169	49,898	149,268	105,716	352,059
Delaware.....	9	7	493	116	1,480	900	218	136	516	244
Maryland.....	126	126	7,190	5,628	18,118	18,060	3,339	6,152	5,782	9,099
Virginia.....	150	202	15,257	14,547	34,630	57,880	5,230	16,108	8,796	29,363
North Carolina.....	798	1,714	73,410	100,812	416,282	704,279	35,981	119,578	76,288	235,607
Georgia.....	118	102	2,215	1,890	6,062	5,039	863	1,489	1,359	2,737
Florida.....	29	20	1,814	933	7,012	4,656	626	680	1,253	1,351
Alabama.....	92	74	3,383	2,397	10,698	13,026	1,278	2,017	2,875	4,082
West South Central.....	36	36	5,448	3,372	42,366	44,969	2,351	3,108	8,847	8,976
Kentucky.....	830	1,405	62,966	90,612	179,850	351,353	29,444	98,768	49,143	181,645
Tennessee.....	437	938	18,297	43,563	53,203	143,893	7,827	49,551	12,100	98,487
Arkansas.....	216	203	16,338	14,470	34,523	56,685	7,359	12,987	12,692	23,202
Alabama.....	177	264	28,271	32,579	91,924	145,775	14,268	36,230	24,351	59,866
West North Central.....	1,229	2,321	23,398	60,936	149,602	684,738	15,672	88,445	47,531	490,727
Arkansas.....	96	126	4,935	3,630	14,080	21,365	3,026	4,573	4,604	8,405
Louisiana-Mississippi.....	33	137	926	5,228	8,445	86,135	873	7,505	6,547	40,016
Oklahoma.....	864	1,934	11,658	33,914	95,074	448,173	7,775	46,809	25,638	281,928
Texas.....	236	624	6,379	18,164	32,003	120,063	3,998	29,558	67,742	160,378
Mountain.....	1,972	1,508	83,993	81,519	467,184	716,949	82,081	131,192	205,054	321,826
Montana.....	373	259	18,946	16,129	174,389	143,718	21,361	25,724	54,992	49,924
Idaho.....	174	82	3,246	2,455	26,278	31,239	4,046	4,202	8,649	11,840
Wyoming.....	66	106	7,742	9,699	30,338	62,757	6,267	14,576	10,572	41,929
Arizona.....	672	477	21,483	16,790	98,777	116,351	18,463	25,405	45,680	51,217
Utah.....	98	85	5,107	7,100	16,042	59,876	3,529	10,494	5,588	18,873
Arizona.....	135	155	12,838	15,268	47,272	106,091	13,503	26,193	34,218	88,478
Utah.....	188	141	10,089	9,847	47,226	86,131	8,987	17,197	22,083	41,511
Nevada.....	266	203	4,642	4,231	26,862	50,786	5,925	7,401	23,272	18,054
Pacific.....	1,588	858	28,281	23,134	191,050	357,875	25,646	40,207	75,111	178,984
Washington.....	93	83	6,904	5,050	20,742	38,193	5,891	7,406	10,538	13,329
Oregon.....	116	50	860	740	8,070	6,264	705	993	1,191	1,885
California.....	1,329	725	20,517	19,344	162,238	313,213	19,050	31,748	63,382	163,770

¹ On basis of 1909 returns.² The figures for the District of Columbia are included in the totals for the States specified, statistics for the District of Columbia are reported for 1909.³ Figures for the District of Columbia are reported in two or more States.⁴ Figures for the District of Columbia are reported for 1909.

Source: Bureau of the Census, Department of Commerce.

No. 658.—MINERAL PRODUCTS OF THE UNITED STATES: QUANTITIES AND VALUES

[Note.—Blank spaces indicate absence of data in most cases]

Product	Quantity						Value in thousands of dollars					
	1910	1915	1920	1923	1924	1925	1910	1915	1920	1923	1924	1925
METALLIC												
Aluminum..... short tons.....	14,080	23,224	12,535	14,190	20,787	10,667	8,966	16,280	41,375	28,305	37,607	36,430
Antimonial lead ¹ do.....	2,229	5,354	2,170	2,785	2,763	1,967	1,338	3,666	1,963	1,950	3,377	3,786
Antimony ² long tons.....	148,932	297,041	521,308	322,680	357,570	316,540	2,389	2,374	2,473	1,330	4,307	4,918
Bauxite..... long tons.....	4,170	91,415	129,283	183,816	129,328	(¹)	716	1,515	3,247	3,102	2,138	1,983
Chromite..... long tons.....	203	3,281	2,502	227	288	(¹)	3	108	151	102	78	(¹)
Copper, ³ sales value..... 1,000 pounds.....	1,080,160	1,388,010	1,200,061	1,435,000	1,634,249	1,674,192	137,180	242,902	222,467	210,945	214,087	237,735
Ferro-alloys..... long tons.....	(¹)	388,644	612,808	579,817	497,244	616,222	(¹)	17,450	77,519	49,877	43,250	53,048
Gold..... 1,000 troy ounces.....	4,657	4,888	2,476	2,503	2,529	2,377	96,269	101,036	51,187	51,734	52,277	49,127
Iron..... 1,000 long tons.....	56,890	55,493	69,281	69,811	52,083	63,925	140,736	101,269	255,000	240,730	151,307	160,951
Pig..... do.....	26,674	30,384	35,710	38,361	31,064	36,815	412,162	401,410	1,140,904	946,759	685,079	739,316
Lead (refined) ⁴ sales value..... short tons.....	375,492	507,026	476,659	543,841	566,407	654,921	33,055	47,660	76,236	75,138	80,625	113,956
Manganese ore (35 per cent or more Mn.) ⁵ long tons.....	2,258	9,613	94,420	32,269	58,348	98,353	23	113	2,396	880	1,319	1,863
Manganiferous ore (5 to 35 per cent Mn.) ⁶ long tons.....	61,101	105,735	767,664	1,493,897	898,468	1,446,244	187	817	2,438	4,888	2,739	3,728
Mercury flasks..... (75 pounds net).....	20,601	21,033	13,392	7,937	10,061	9,174	958	1,805	1,067	521	691	763
Mercury ore..... short tons.....	124,000	186,000	109,000	51,000	70,000	65,000	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Nickel (value at New York City)..... short tons.....	28,497	43,404	36,765	45,573	49,432	(¹)	538	(¹)	(¹)	(¹)	(¹)	(¹)
Ores (crude), fallings, etc.:.....	9,646	12,687	8,690	9,122	8,979	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Copper..... 1,000 short tons.....	5,781	7,497	7,200	7,613	8,569	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Copper-lead and copper-lead zinc..... do.....	12,380	18,176	12,383	10,387	13,366	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Dry and siliceous (gold and silver)..... do.....	2,651	4,064	3,100	4,064	3,100	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Lead..... do.....	793	8,685	41,514	49,797	68,007	49,643	25	479	4,698	5,762	7,611	5,662
Lead-zinc..... do.....	57,138	74,961	56,362	73,835	63,407	65,723	30,855	37,397	60,802	60,135	43,823	45,612
Platinum and allied metals (value at New York City)..... troy ounces.....	565	202	22	70	7	9	10	28	22	2	2	12
Silver..... 1,000 troy ounces.....	1,821	2,332	216	2,693	565	46	833	4,100	(¹)	(¹)	287	755
Tin (metallic equivalent)..... short tons.....	252,470	458,135	450,045	802,335	515,831	1,190,093	27,268	113,617	72,907	69,134	67,058	84,456
Titanium ore (rutile)..... do.....						12,093						
Tungsten ore (60 per cent concentrate)..... do.....						555,031						
Uranium and vanadium ores..... do.....												
Zinc, ³ sales value..... do.....												
Total metallic products (approximate).....							740,879	891,780	1,762,350	1,510,930	1,232,330	1,380,100

NONMETALLIC

Arsenious oxide.....	short tons.....	1,497	5,498	11,602	14,271	14,453	12,317	52	302	2,021	2,909	2,655	1,193
Asbestos.....	do.....	3,693	1,731	898,993	1,648	300	1,256	68	77	678	10	18,263	55
Asphalt.....	do.....	290,089	740,254	228,113	1,395,890	1,720,823	2,050,000	3,080	5,242	13,109	15,946	1,541	22,000
Barytes (crude).....	do.....	42,975	108,547	228,113	214,183	196,332	200,000	122	381	2,142	1,604	1,541	1,646
Borates.....	do.....	42,357	67,003	120,320	136,690	116,110	113,700	1,202	1,677	2,173	3,995	3,184	3,086
Bromine.....	1,000 pounds.....	246	856	1,161	342	2,084	1,596	22	86	530	146	590	500
Calcium-magnesium chloride.....	short tons.....	13,971	20,535	27,849	44,901	58,791	97,000	6	131	530	663	1,165	1,432
Cement.....	1,000 bbls. (376 lbs. net).....	77,786	87,685	97,079	137,184	147,106	138,213	68,752	75,165	105,590	260,652	266,053	285,752
Clay.....	do.....												
Products.....	do.....												
Raw.....	1,000 short tons.....	2,389	2,363	3,116	3,435	3,691	3,900	169,827	160,080	373,670	434,583	415,779	(10)
Bituminous ¹¹	do.....	417,111	442,624	568,987	564,565	483,687	592,967	3,625	3,972	11,614	11,189	11,508	\$12,000
Pennsylvania anthracite.....	1,000 long tons.....	75,433	79,400	93,998	93,398	78,506	95,194	160,275	184,633	434,252	500,737	477,231	1,046,000
Coke.....	1,000 short tons.....	41,709	41,581	51,945	50,978	44,270	50,702	89,743	105,504	494,246	373,407	244,042	327,065
Diaconaceous (infusorial) earth and tripoli.....	do.....												(11)
Emery.....	short tons.....	1,028	35,304	102,155	92,015	91,639	85,485	130	107	1,649	1,082	1,083	1,081
Feldspar (crude).....	do.....	72,413	93,853	135,651	145,004	204,772	165,500	15	31	92	29	20	6
Fluorapatite.....	long tons.....	69,427	136,941	186,778	121,188	124,979	113,669	430	480	4,719	1,008	1,509	1,190
Fuller's earth.....	short tons.....	32,822	47,901	128,457	146,134	177,994	206,574	114	480	2,500	2,348	2,632	2,032
Garnet for abrasive purposes.....	do.....	3,814	4,301	5,476	9,005	8,280	8,429	114	140	494	688	674	713
Gems and precious stones.....	do.....							266	170	265	65	(14)	(14)
Graphite.....	do.....												
Amorphous.....	short tons.....	1,407	1,151	4,694	4,086	4,071	3,536	40	12	50	40	39	32
Crystalline.....	1,000 pounds.....	5,591	1,074	9,632	8,965	1,800	2,257	236	417	576	151	49	57
Grindstones and pulpstones.....	do.....			58,484	46,570	38,184	37,330	796	648	1,707	1,689	1,967	1,706
Gypsum.....	1,000 short tons.....	2,579	2,448	3,129	4,753	5,043	5,690	6,523	6,597	24,533	34,888	42,725	47,800
Lime.....	do.....	3,508	3,623	3,570	4,076	4,072	4,510	14,088	14,424	37,544	39,994	39,596	42,630
Magnesite (crude).....	short tons.....	12,443	30,499	303,767	147,203	129,100	120,660	75	274	2,748	1,104	1,041	1,433
Mica.....	do.....												
Scrap.....	do.....	4,065	3,999	5,723	8,054	4,709	4,500	53	51	167	180	87	90
Sheet.....	do.....	2,476	554	1,683	2,063	1,461	1,461	284	378	547	311	212	212
Millstones.....	1,000 pounds.....							28	53	63	22	30	35
Mineral paints.....	do.....												
Natural pigments ¹²	short tons.....	68,623	57,442	143,244	163,240	173,859	201,825	528	552	(15)	(14)	(12)	(12)
Zinc and lead pigments ¹³	do.....	75,162	141,383	36,218	44,491	44,491	2,855	6,553	14,962	24,565	23,660	25,711	28,574
Mineral waxes.....	1,000 gallons.....	62,030	52,114	36,218	44,491	44,491	2,855	6,553	5,139	4,561	6,403	(14)	(14)
Natural gas.....	1,000,000 cu. ft.....	698,155	628,579	798,210	1,006,976	1,141,521	1,164,000	70,756	101,312	196,194	240,001	253,856	255,000
Natural-gas gasoline.....	1,000 gallons.....		384,744	816,226	933,861	1,104,000	1,104,000	5,161	71,788	77,268	82,232	117,265	117,265
Oilstones, etc.....	do.....			1,144	1,223	1,066	810	229	5,115	232	232	259	265
Peat.....	do.....							140	289	922	377	395	369
Petroleum.....	1,000 barrels (42 gals.).....	209,597	281,104	442,929	732,407	713,940	755,552	127,000	179,438	1,300,745	978,430	1,022,683	1,270,000
Phosphate rock.....	1,000 long tons.....	2,655	1,836	4,104	3,007	2,889	3,478	10,917	5,413	25,080	11,576	10,252	11,546
Potash (K ₂ O).....	short tons.....		1,090	41,444	19,281	21,888	25,802	342	7,463	7,785	214	190	179
Pumice.....	do.....	28,271	27,708	41,838	56,575	43,631	40,380	95	63	1,597	661	945	650
Pyrites.....	long tons.....	241,612	394,124	310,777	181,628	160,096	170,031	978	1,678	1,597	661	945	650
Salt.....	1,000 short tons.....	4,243	5,352	6,840	7,131	6,803	7,394	7,900	11,748	29,894	27,736	25,747	26,216

For footnotes see page 710.

No. 658.—MINERAL PRODUCTS OF THE UNITED STATES: QUANTITIES AND VALUES—Continued

Products	Quantity						Value in thousands of dollars					
	1910	1915	1920	1923	1924	1925	1910	1915	1920	1923	1924	1925
NONMETALLIC—continued												
Sand:.....												
Glass.....	1,461	1,884	2,166	2,035	2,170	2,436	1,517	1,607	4,749	3,752	3,719	3,700
Molding, building, etc., and gravel, do.	67,949	74,719	79,875	137,397	154,060	159,564	10,521	21,515	60,913	87,152	83,294	102,300
Sand-lime brick.....	172,507	179,643	169,701	913,425	928,417	955,000	1,169	1,135	2,440	2,472	3,535	4,200
Silica (quartz).....	63,577	112,575	68,190	20,801	23,761	24,588	104	1,274	520	194	203	204
Slate.....			498,700	707,100	727,700	762,000	6,237	4,959	8,726	12,077	11,776	12,785
Stone.....			78,527	103,310	103,184	110,000	76,521	74,595	133,542	159,470	161,870	165,000
Sulphur.....	251	294	1,518	1,619	1,537	1,858	4,522	4,989	30,000	26,000	25,000	29,000
Sulphuric acid (60° Baume) from copper and zinc smelters.....		15,905	15,120	16,786	16,875	921		7,621	13,617	10,620	16,996	7,426
Talc and soapstone.....	150,716	186,891	210,635	190,692	203,821	171,409	1,592	1,852	3,035	3,012	3,516	171,917
Total nonmetallic products (approximate).....							1,237,656	1,400,494	6,214,170	4,471,480	4,067,780	4,809,900
SUMMARY OF VALUES												
Metallic products.....							749,879	991,730	1,762,350	1,510,930	1,232,330	1,380,100
Nonmetallic products (exclusive of fuels).....							409,455	427,867	1,021,260	1,154,520	1,169,100	1,283,900
Mineral fuels.....							828,213	972,617	4,192,910	3,317,100	2,899,630	3,016,000
"Unspecified" (metallic and nonmetallic) products partly estimated.....							309	2,430	4,820	3,960	5,740	6,000
Grand total (approximate).....							1,987,844	2,394,644	6,991,540	5,996,500	5,306,800	5,696,000

1 From both domestic and foreign ores.
 2 Content of antimonial lead. Values excluded from metallic totals as the values of the antimony are included in the antimonial lead values.
 3 Product from domestic ores only.

4 Included under "Pig iron."
 5 Value not included in total value, since value of product derived therefrom, or of raw material used, is accounted for under other items.
 6 Including ore used for fluxing.

7 Figures not available. Value of products derived from these ores included elsewhere.
 8 Value included in total value of metallic products. Bureau of Mines not at liberty to publish figures.
 9 Figures obtained through cooperation with Bureau of the Census.

10 Includes brown coal and lignite, and anthracite mined elsewhere than in Pennsylvania.

11 Canvases discontinued after 1915. Value of iron ore sold for paint included under "Unspecified."

12 Sublimed blue lead, sublimed white lead, leaded zinc oxide, and zinc oxide.

13 No canvases. Estimate of value included in total value of nonmetallic products.

14 In 1915 includes 39,189 tons and in 1920, 23,728 tons of stronger acid, not converted to 60° Baume.

15 Figures after 1920 obtained through cooperation with Bureau of Census and represent production, the value having been partly estimated.

16 Talc only.

Source: Bureau of Mines, Department of Commerce.

No. 659.—ALUMINUM AND BAUXITE: PRODUCTION, EXPORTS, AND IMPORTS

	1913	1915	1920	1922	1923	1924	1925
BAUXITE							
Ore produced (1,000 short tons).....	210,241	605,721	521,308	309,800	522,690	347,570	316,540
Arkansas.....	40,370	42,829	40,029	42,810	28,810	19,940	20,220
Imports for consumption.....	169,871	562,892	481,279	266,790	493,880	327,630	296,320
Exports.....	21,456	3,653	42,895	23,656	119,020	201,971	353,096
Value of production ¹ (1,000 dollars).....	(?)	19,711	22,257	19,617	78,560	77,065	78,633
	998	3,448	3,247	2,012	3,157	2,138	1,888
ALUMINUM							
Value, 1,000 dollars:							
Production—							
Primary metal.....	9,450	41,159	41,375	13,622	28,305	37,607	36,430
Secondary metal.....	2,199	10,114	9,489	6,086	10,825	14,596	20,556
	4,784	555	13,077	9,085	8,743	7,145	10,107
	4,888	534	12,184	8,267	8,317	6,860	9,805
	396	21	893	1,408	426	285	801
	966	10,869	5,631	2,836	3,572	4,172	6,057
		8,979	3,068	1,127	1,518	1,632	3,806
Manufactures.....		1,890	2,563	1,709	2,054	2,540	2,091
Quantities, 1,000 pounds:							
Imports (crude and semicrude).....	25,095	1,661	39,299	43,892	42,477	31,810	41,997
Exports (crude and semicrude).....	(?)	24,135	9,408	4,347	5,540	6,943	12,642

¹ F. o. b. mines.² Unavailable.

No. 660.—COPPER: PRODUCTION, EXPORTS, IMPORTS, AND CONSUMPTION

[NOTE.—Owing to the complexities of the stages of production, of stocks in different classes of hands, of the redistribution of copper previously purchased, of the recovery and use of old copper, etc., calculations of consumption are somewhat uncertain. The American Bureau of Metal Statistics presents consumption figures which are widely different from those given below. Consumption as shown represents actual consumption, withdrawn on domestic account, but not actual domestic consumption as no account of consumers' stock is taken]

[All quantities except ore produced in thousands of pounds]

	1910	1915	1920	1922	1923	1924	1925
UNREFINED COPPER							
Ore produced (1,000 short tons).....	28,518	43,415	36,792	26,046	45,519	49,178	(1)
Concentrates.....	1.88	1.66	1.63	1.74	1.58	1.59	(1)
Imports.....	1,080,160	1,388,010	1,209,061	950,286	1,435,000	1,634,249	1,674,192
Exports.....	1,088,237	1,488,072	1,224,550	964,584	1,477,740	1,606,165	(1)
Ore.....	64,204	92,059	52,045	71,203	90,153	105,166	107,642
Concentrates.....	21,021	22,273	46,798	32,908	49,941	41,737	53,954
Matte and regulus.....			17,594	8,728	2,961	1,033	1,733
Black, in bars, pigs, etc.....	259,211	183,831	244,696	302,579	395,263	471,029	379,336
REFINED COPPER PRODUCTION							
Total new and old copper.....	1,611,000	2,027,000	2,151,000	1,927,000	2,802,000	3,037,000	3,045,000
New copper (primary).....	1,422,039	1,634,204	1,526,165	1,255,516	1,979,836	2,260,076	2,204,574
Old copper re-refined (secondary).....							
Lake.....	221,493	230,101	169,401	122,000	107,000	110,000	110,000
Casting and best select ²	72,271	36,603	20,989	20,354	29,816	38,419	15,916
Old copper re-refined (secondary).....	189,000	392,400	624,900	671,800	821,800	770,924	840,427
REFINED COPPER CONSUMPTION							
New copper produced (refinery).....	1,422,039	1,634,204	1,526,165	1,255,516	1,979,836	2,260,076	2,204,574
Refined copper imported.....	(?)	(?)	108,743	103,143	160,711	145,910	99,774
Refined copper exported.....	708,316	588,797	553,070	705,025	792,074	1,072,243	1,022,335
Stocks.....	122,804	82,430	659,000	216,000	264,000	243,000	124,000
Withdrawn on domestic account:							
New refined copper.....						743	1,401,012
New and old copper ³						000	2,241,439

¹ Not available.² Imports of refined copper in ingots, bars, or other forms included in imports of unrefined.³ Includes pig for years 1915 through 1921.⁴ Revised.⁵ Includes the small exports of unrefined black blister and converter copper (bars, pigs, etc.) for years prior to 1923.⁶ Total from preceding line plus production of secondary copper as given above.

Source of Tables 659 and 660: Bureau of Mines, Department of Commerce.

No. 861.—COPPER: SMELTER OUTPUT FROM DOMESTIC ORES

[Note.—Smelter output as here given represents the production of unrefined copper from domestic ores. Some copper ore is imported and smelted in this country, but this appears only in the figures of refined copper from imported material in Table 660. The State figures represent the origin of the ore which may be smelted in another State]

Year	Production	Value	Year	Production	Value	Year	Production	Value
	1,000 pounds	1,000 dollars		1,000 pounds	1,000 dollars		1,000 pounds	1,000 dollars
1850.....	1,456	320	1904.....	812,537	104,065	1915.....	1,388,010	242,902
1860.....	16,128	3,709	1905.....	888,784	138,650	1916.....	1,927,851	474,288
1870.....	28,224	5,977	1906.....	917,806	177,136	1917.....	1,886,121	514,911
1880.....	60,480	12,943	1907.....	868,996	173,799	1918.....	1,908,534	471,408
1885.....	165,875	17,915	1908.....	942,571	124,419	1919.....	1,286,419	239,274
1890.....	259,763	40,523	1909.....	1,092,952	142,084	1920.....	1,209,061	222,467
1895.....	330,613	40,726	1910.....	1,080,160	137,180	1921.....	695,586	65,221
1900.....	606,117	100,615	1911.....	1,097,233	137,154	1922.....	950,286	128,289
1901.....	602,073	100,546	1912.....	1,243,269	205,139	1923.....	1,435,000	210,945
1902.....	659,509	80,460	1913.....	1,224,484	189,795	1924.....	1,634,249	214,087
1903.....	908,045	95,832	1914.....	1,150,137	152,968	1925 ¹	1,674,192	237,735

State of origin of ore	1900	1910	1915	1920	1922	1923	1924	1925
	Thousands of pounds							
Total.....	606,117	1,080,180	1,388,010	1,209,061	950,286	1,435,000	1,634,249	1,674,192
Alaska.....		4,311	70,695	66,094	59,901	68,648	77,053	72,204
Arizona.....	118,318	297,251	432,468	552,989	428,201	615,494	672,365	722,653
California.....	28,511	45,760	37,658	11,822	20,440	27,043	49,434	46,944
Colorado.....	7,827	9,307	7,272	4,283	3,636	4,343	4,159	3,163
Idaho.....	290	6,878	6,218	1,922	3,505	3,664	3,149	3,071
Michigan.....	145,461	221,463	238,056	153,484	122,545	137,691	145,333	138,030
Missouri.....			306	533	1,070	217	185	12
Montana.....	270,754	283,079	268,263	177,744	165,341	224,354	249,322	270,600
Nevada.....	408	64,495	67,757	55,580	20,399	63,496	77,281	77,138
New Mexico.....	4,169	3,785	62,817	52,160	29,127	57,521	78,146	76,467
Oregon.....		22	797	2,529	926	1,182	717	126
Pennsylvania.....		741		618	889	1,122	1,264	502
Tennessee.....		16,692	18,205	16,728	14,226	18,722	18,252	19,789
Utah.....	18,355	125,185	175,173	110,358	79,666	210,118	256,531	242,731
Washington.....		65	904	2,126	369	839	979	1,185
Undistributed.....	12,024	1,127	514	92	45	545	80	110

¹ Preliminary.

Source: Bureau of Mines, Department of Commerce.

No. 662.—WORLD PRODUCTION OF COPPER

[Note.—All figures in short tons of 2,000 pounds. Figures for most countries represent smelter output. For some countries figures include copper content of ore or matte exported for smelting]

Country	1913	1919	1920	1921	1922	1923	1924
World total.....	1,090,627	1,085,697	1,057,169	614,636	934,560	1,355,313	1,472,697
United States.....	612,242	643,210	604,531	252,793	475,143	717,500	817,116
Per cent.....	56.1	58.7	57.2	41.1	50.8	52.9	55.5
Canada.....	38,488	37,527	40,801	23,810	21,440	43,441	52,228
Cuba.....	13,747	18,267	19,259	19,089	13,007	12,125	11,905
Mexico.....	57,973	61,919	54,225	16,796	29,738	58,832	54,137
Bolivia.....	4,077	10,498	11,003	11,676	11,608	11,077	8,200
Chile.....	46,587	87,722	109,076	65,300	142,832	201,042	200,487
Peru.....	30,618	43,244	36,356	36,689	40,133	48,684	38,496
Austria.....		714	1,813	4,715	5,063	5,327	4,242
Germany.....	20,362	17,484	16,508	17,101	18,739	20,356	21,405
Spain.....	34,445	25,815	24,756	40,063	27,711	49,897	40,934
Yugoslavia.....		(¹)	2,685	4,568	5,902	7,452	8,930
Japan.....	73,505	86,409	74,728	59,626	59,664	65,417	69,507
Australia.....	49,604	21,485	29,787	12,287	14,003	19,638	16,322
Belgian Congo.....	8,165	25,374	20,902	33,581	47,798	63,808	94,324
Other countries.....	101,714	19,278	20,739	26,602	21,779	30,487	29,245

¹ Estimated by Bureau of Mines, Department of Commerce.

² Preliminary.

³ Figures not available, but an estimate is included in the total.

Source: Bureau of Mines, Department of Commerce.

No. 663.—REFINED PRIMARY LEAD AND SECONDARY LEAD

[NOTE.—Production in short tons (2,000 pounds), values except price per pound in thousands of dollars. This table, except the last column, relates to new (primary) lead only. It represents exclusively refined lead while in Table 664 part of the lead from domestic ore represents unrefined lead]

Year	Production ¹	Value	Year	Production ¹	Value	Year	Production ¹	Value	Year	Production ¹	Value
1830	8,000	608	1884	136,297	10,086	1898	302,148	22,963	1912	480,894	43,250
1840	17,000	1,666	1885	126,192	10,095	1899	298,047	26,324	1913	462,460	40,696
1850	22,000	2,112	1886	132,189	12,161	1900	367,773	32,364	1914	542,122	42,286
1860	15,600	1,778	1887	156,630	14,097	1901	371,032	30,909	1915	550,055	51,706
1870	17,830	2,247	1888	176,015	15,469	1902	367,892	30,167	1916	571,134	78,817
1875	58,590	6,914	1889	178,357	13,912	1903	368,939	30,991	1917	610,769	105,052
1876	62,940	7,679	1890	157,844	14,206	1904	393,452	33,837	1918	640,195	90,908
1877	80,356	8,842	1891	198,363	17,069	1905	388,307	36,501	1919	482,220	51,116
1878	89,130	6,417	1892	208,223	17,074	1906	404,746	46,141	1920	529,657	84,745
1879	90,840	7,449	1893	224,320	16,600	1907	413,389	43,819	1921	448,589	40,373
1880	95,725	9,573	1894	213,650	14,101	1908	396,564	33,311	1922	532,662	58,593
1881	114,495	10,992	1895	235,822	15,093	1909	446,909	38,434	1923	618,322	86,565
1882	129,780	12,718	1896	257,487	15,449	1910	470,272	41,884	1924	690,493	110,479
1883	140,297	12,066	1897	282,169	20,316	1911	486,979	43,828	1925	766,969	133,453

Year	Class		Source			Average value per pound	Antimonial lead, total production	Secondary lead recovered, total
	Desilverized ^{1,2}	Soft ³	Domestic ores and bullion ⁴	Foreign ores	Foreign base bullion			
1870	-----	17,830	17,830	-----	-----	\$0.063	-----	-----
1880	68,035	27,690	95,725	-----	-----	.050	2,100	-----
1885	104,217	21,975	126,192	-----	-----	.040	3,220	-----
1890	126,493	31,351	159,720	18,124	-----	.045	3,910	-----
1895	195,932	39,890	235,822	76,178	-----	.032	6,060	-----
1900	319,752	48,021	367,773	109,855	-----	.044	9,906	-----
1905	302,852	85,455	388,307	80,793	-----	.047	10,995	-----
1910	328,954	141,318	470,272	18,065	70,805	.044	14,069	55,422
1915	388,594	161,461	550,055	9,581	33,448	.047	23,224	78,900
1920	339,803	180,864	520,667	8,414	44,394	.080	12,535	124,650
1923	427,573	190,749	618,322	24,288	50,193	.070	14,190	194,490
1924	486,878	203,615	690,493	46,385	77,701	.080	20,787	204,500
1925	506,409	260,580	766,969	112,048	-----	.087	19,667	218,500

¹ Excludes antimonial lead; includes primary lead from both domestic and foreign ore.

² Desilverized soft lead is included.

³ Desilverized soft lead is excluded.

⁴ Excludes antimonial lead.

⁵ Preliminary.

No. 664.—SOURCES OF PRIMARY LEAD SMELTED OR REFINED IN THE UNITED STATES

[Production in short tons of 2,000 pounds. See note to Table 663]

Source of ore	1910	1915	1920	1922	1923	1924	1925
Total	494,061	580,041	547,155	545,605	628,517	706,086	798,499
From domestic ore	389,211	537,012	494,347	481,689	554,036	592,000	686,451
Arizona	948	6,953	6,987	7,218	8,828	9,372	10,281
Colorado	38,542	32,352	17,752	11,108	23,886	26,491	31,855
Idaho	109,951	160,680	117,191	91,487	127,797	123,709	123,363
Kansas	1,308	1,320	8,421	10,900	20,207	12,895	15,001
Missouri	161,659	195,634	171,999	202,245	169,323	191,501	208,547
Montana	1,943	4,853	13,231	14,551	18,345	21,226	22,008
Nevada	2,246	7,604	8,650	4,264	8,044	8,070	10,978
Oklahoma	1,805	4,346	63,494	67,436	50,602	56,017	78,487
Utah	60,005	106,105	64,006	63,130	104,678	119,318	166,844
Wisconsin	3,909	2,632	8,841	1,323	601	1,973	2,889
Undistributed	4,058	8,911	10,409	0,743	12,364	11,108	14,657
Zinc residue	2,237	4,562	4,366	1,284	362	1,320	1,541
From foreign ore ¹	18,065	9,531	8,414	13,898	24,288	46,385	47,024
Africa	3,310	-----	1,171	-----	99	-----	-----
Canada	25	1,174	1,186	3,604	3,632	4,633	10,676
Mexico	11,704	5,437	7,229	7,260	18,867	33,328	31,107
South America	2,906	2,829	2,747	2,458	1,461	7,663	4,496
From foreign base bullion ¹	76,805	33,448	44,394	50,018	50,193	77,701	65,024
Canada	-----	-----	1,919	2,900	-----	-----	-----
Mexico	76,805	33,173	42,421	47,118	50,193	77,701	65,024

¹ Totals include small unspecified items.

Source of Tables 663 and 664: Bureau of Mines, Department of Commerce.

No. 665.—SUPPLY AND DISTRIBUTION OF REFINED PRIMARY LEAD

[NOTE.—Short tons of 2,000 p. only approximate as no account is taken of warehouses]

	1910	1915	1920	1922	1923	1924	1925
Supply, total.....	473,336	550,467	565,610	536,560	639,421	705,357	779,035
Stock in bonded warehouses Jan. 1.....	79	2	284	347	21,099	2,617	5,045
Imports of pigs, bars, and old Production.....	3,485 470,272	410 550,055	35,719 529,657	3,551 532,662	12,247 618,322	7,021 690,493	7,021 766,969
Deductions, total.....	78,661	130,907	27,590	43,855	65,878	102,410	120,892
Exports, foreign, from warehouse.....	69,786	38,618	17,363	32,355	48,736	76,758	98,564
Exports, foreign, under drawback.....	8,800	3,983	6,175	5,677	12,526	15,275	9,211
Exports of domestic lead.....	88,366	88,366	2,730	5,823	1,999	5,332	4,955
Stock in bonded warehouses Dec. 31.....	75	-----	1,322	-----	2,617	5,045	8,162
Apparent consumption.....	395,175	419,560	538,020	492,705	573,543	602,947	658,143

No. 666.—ZINC: PRODUCTION, EXPORTS, STOCKS, AND APPARENT CONSUMPTION

[All quantity figures in short tons (2,000 pounds), values in thousands of dollars]

	1910	1915	1920	1922	1923	1924	1925 ¹
Mine production (zinc content).....	327,818	587,595	587,584	473,032	610,690	637,977	712,000
Colorado.....	38,545	52,297	24,395	11,629	27,076	28,364	-----
Idaho.....	2,802	35,077	13,966	2,055	13,976	7,670	-----
Kansas.....	13,229	14,365	61,073	56,225	100,369	105,392	-----
Missouri.....	128,589	130,300	24,509	16,171	18,265	12,920	-----
Montana.....	16,819	93,573	92,169	59,535	70,730	64,238	-----
Nevada.....	1,354	12,188	5,349	1,309	7,058	5,501	-----
New Jersey.....	68,584	117,722	78,511	73,657	75,227	84,370	-----
New Mexico.....	9,044	12,702	5,007	2,248	8,248	10,380	-----
New York.....	-----	2,455	5,654	4,816	8,463	4,604	-----
Oklahoma.....	6,394	14,314	219,727	209,682	242,421	269,137	-----
Tennessee.....	966	10,461	19,217	15,568	15,900	14,376	-----
Wisconsin.....	25,927	41,403	27,285	10,952	13,211	14,027	-----
Other States.....	16,365	38,738	10,662	8,185	9,121	15,408	-----
Smelter production.....	310,407	542,419	508,227	423,591	575,644	576,225	644,427
Primary zinc.....	269,184	489,519	463,377	354,277	510,434	517,330	572,946
From domestic ore.....	252,479	458,135	450,045	353,274	508,385	515,831	565,031
From foreign ore.....	16,705	31,384	13,332	1,003	2,009	1,508	17,915
Secondary zinc.....	41,223	52,900	42,850	69,314	65,210	58,886	71,431
Redistilled.....	12,784	29,764	21,371	32,988	39,434	35,486	39,181
Remelted.....	28,439	23,136	21,479	36,326	25,775	23,400	32,300
Value of primary product from domestic ore (\$1,000).....	27,268	113,617	72,907	40,273	69,134	67,058	84,456
Primary zinc consumed:							
Supply, total.....	282,350	510,518	508,347	424,781	527,345	545,252	593,700
Stock, Jan. 1.....	11,206	20,095	36,793	70,452	16,890	27,888	20,754
Produced.....	269,184	489,519	463,377	354,277	510,434	517,330	572,946
Imported.....	1,900	804	8,177	52	21	25	24
Deductions, total.....	36,406	145,663	185,304	51,691	80,831	96,995	93,677
Exports, foreign, from warehouse.....	4,758	12,775	28,132	3,471	7,080	(²)	(²)
Exports, foreign, under drawback.....	4,486	32	237	1,298	-----	-----	-----
Exports, domestic.....	3,990	118,603	85,898	30,032	45,863	76,241	80,547
Stock, Dec. 31.....	23,232	14,253	71,037	16,890	27,888	20,754	13,030
Apparent domestic consumption.....	245,884	364,855	323,043	373,090	446,514	448,257	500,147

¹ Mine production figures are preliminary. Blank spaces indicate that figures are not available.

² Included with domestic.

Source of Tables 665 and 666: Bureau of Mines, Department of Commerce.

No. 667.—GOLD AND SILVER FOR USE IN MANUFACTURES AND THE ARTS

Yearly average or year	Gold, in thousands of dollars					Silver, in thousands of fine ounces				
	New material			Old mater- ial	Grand total	New material			Old mater- ial	Grand total
	United States coin ¹	Bullion and foreign coin	Total			United States coin ¹	Bullion and foreign coin	Total		
1880.....	3,300	5,511	8,811	1,294	10,105	464	2,126	2,590	204	2,794
1881-1885.....	3,715	6,991	10,706	1,863	12,568	155	3,685	3,840	315	4,155
1886-1890.....	3,500	8,512	12,012	4,029	16,041	155	4,831	4,986	676	5,662
1891-1895.....	3,500	7,948	11,448	5,060	16,508	108	6,938	7,046	951	7,997
1896-1900.....	3,500	9,398	12,898	4,067	16,965	77	8,937	9,014	1,200	10,214
1901-1905.....	3,500	18,218	21,718	6,778	28,496	77	16,447	16,524	3,002	19,526
1906-1910.....	3,500	26,941	30,441	7,708	38,149	77	20,807	20,884	3,669	24,553
1911-1915.....	3,500	31,198	34,698	8,106	42,803	77	23,438	23,516	6,928	30,444
1916-1920.....	3,500	40,292	43,792	10,026	53,818	77	22,011	22,089	9,126	31,214
1916.....	3,500	37,620	41,120	9,941	51,061	77	22,127	22,204	9,899	32,104
1917.....	3,500	31,363	34,863	18,112	52,916	77	15,921	15,999	11,041	27,040
1918.....	3,500	29,392	32,892	19,517	52,410	77	26,645	26,722	9,530	36,253
1919.....	3,500	52,636	56,136	19,354	75,490	77	20,160	20,238	6,463	32,701
1920.....	3,500	50,610	54,010	28,205	82,215	77	19,203	19,280	8,694	27,975
1921.....	3,500	19,550	23,050	27,624	50,674	77	28,766	28,844	7,024	35,868
1922.....	3,500	32,822	36,322	23,484	59,806	77	31,209	31,287	6,024	37,910
1923.....	3,500	36,513	40,013	29,279	69,292	77	28,778	28,856	8,470	36,825
1924.....	3,500	34,413	37,913	27,975	65,888	77	24,587	24,664	8,931	33,595

¹ Estimated.

No. 668.—SILVER: PRICE, AND VALUE OF SILVER IN THE DOLLAR

[NOTE.—The London price represents the equivalent in American money at the basis of the ounce 1,000 fine. The commercial ratio and the value of the dollar are computed from this London price to and including 1917, but up to London quotations were close together, the departure since being due to the depreciation of the pound sterling; since 1917 these computations are based on the New York average price.]

Calendar year	London, per fine ounce, average	New York, per fine ounce			Commercial ratio of silver to gold	Value of silver in dollars	Calendar year	London, per fine ounce, average	New York, per fine ounce			Commercial ratio of silver to gold	Value of silver in dollar
		Average	High	Low					Average	High	Low		
1835.....	1.308	-----	-----	-----	15.80	-----	1806.....	0.590	0.591	0.623	0.551	35.03	0.456
1840.....	1.323	-----	-----	-----	15.62	1.023	1809.....	0.602	0.605	0.648	0.566	34.36	.495
1845.....	1.298	-----	-----	-----	15.92	1.004	1900.....	0.620	0.621	0.658	0.598	33.33	.480
1850.....	1.316	-----	-----	-----	15.71	1.018	1901.....	0.596	0.597	0.645	0.548	34.68	.461
1855.....	1.344	-----	-----	-----	15.38	1.039	1902.....	0.528	0.528	0.509	0.474	39.15	.408
1860.....	1.352	-----	-----	-----	15.29	1.045	1903.....	0.543	0.542	0.624	0.475	38.10	.420
1865.....	1.338	-----	-----	-----	15.44	1.035	1904.....	0.570	0.578	0.625	0.534	35.70	.448
1870.....	1.328	-----	-----	-----	15.57	1.027	1905.....	0.610	0.610	0.665	0.556	33.87	.472
1875.....	1.242	1.239	1.261	1.210	16.64	.961	1906.....	0.677	0.674	0.724	0.631	30.54	.524
1880.....	1.145	1.139	1.150	1.113	18.05	.886	1907.....	0.662	0.660	0.710	0.523	31.24	.512
1881.....	1.132	1.128	1.145	1.110	18.25	.876	1908.....	0.535	0.535	0.589	0.483	38.64	.414
1882.....	1.136	1.139	1.150	1.090	18.20	.878	1909.....	0.520	0.522	0.545	0.508	39.74	.402
1883.....	1.109	1.087	1.118	1.093	18.64	.858	1910.....	0.541	0.542	0.576	0.508	38.22	.418
1884.....	1.111	1.112	1.133	1.080	18.61	.859	1911.....	0.539	0.540	0.575	0.521	38.33	.417
1885.....	1.065	1.064	1.095	1.028	19.41	.824	1912.....	0.615	0.620	0.656	0.553	36.62	.475
1886.....	0.995	0.999	1.035	0.925	20.78	.769	1913.....	0.605	0.612	0.651	0.580	34.19	.468
1887.....	0.979	0.979	1.035	0.950	21.10	.758	1914.....	0.553	0.563	0.609	0.490	37.37	.428
1888.....	0.940	0.943	0.978	0.920	22.00	.727	1915.....	0.519	0.511	0.580	0.478	39.84	.401
1889.....	0.935	0.936	0.973	0.925	22.10	.723	1916.....	0.586	0.572	0.791	0.573	30.11	.531
1890.....	1.046	1.053	1.205	0.953	19.75	.809	1917.....	0.895	0.840	1.165	0.731	23.09	.692
1891.....	0.988	0.990	1.075	0.948	20.92	.764	1918.....	1.042	0.984	1.025	0.894	21.00	.761
1892.....	0.871	0.876	0.953	0.830	23.72	.674	1919.....	1.250	1.121	1.388	1.015	18.44	.867
1893.....	0.780	0.782	0.850	0.650	26.49	.604	1920.....	1.346	1.019	1.368	0.608	20.27	.788
1894.....	0.635	0.640	0.700	0.595	32.56	.491	1921.....	0.805	0.651	0.738	0.532	32.75	.483
1895.....	0.654	0.663	0.690	0.600	31.60	.506	1922.....	0.764	0.679	0.742	0.629	30.43	.525
1896.....	0.676	0.682	0.703	0.650	30.59	.523	1923.....	0.700	0.652	0.690	0.629	31.69	.505
1897.....	0.604	0.608	0.661	0.528	34.20	.467	1924.....	0.745	0.671	0.724	0.630	30.80	.510

Source: Tables 667 and 668: Annual Reports of the Director of the Mint, Treasury Department.

No. 669.—GOLD AND SILVER: PRODUCTION FROM MINES IN THE UNITED STATES (INCLUDING ALASKA AND PHILIPPINE ISLANDS)

[NOTE.—The value of gold, in terms of money, being unchanging at \$20.67+ per fine ounce, is not shown in the table. The value of silver given is commercial value (Pittman Act value for 1921 to June, 1923), which at times has differed materially from coinage value]

[Figures are totals for period or for year]

Calendar year or period	Gold, 1,000 fine ounces	Silver, 1,000 fine ounces	Silver, value, 1,000 dollars	Calendar year or period	Gold, 1,000 fine ounces	Silver, 1,000 fine ounces	Silver, value, 1,000 dollars
1792-1847	1,187	310	405	1890	2,568	58,835	39,655
1848-1850	4,888	116	152	1897	2,775	53,850	32,316
1851-1855	14,271	194	255	1898	3,118	54,438	32,118
1856-1860	12,984	309	418	1899	3,437	54,765	32,859
1861-1865	10,716	28,811	38,674	1900	3,830	57,647	35,741
1866-1870	12,226	40,113	65,261	1901	3,686	55,214	33,128
1871-1875	8,826	121,083	156,270	1902	3,870	56,500	29,415
1876-1880	10,801	157,681	182,506	1903	3,560	54,300	29,322
1881-1885	7,730	182,841	202,807	1904	3,882	57,683	30,456
1886-1890	8,078	231,819	227,495	1905	4,266	56,102	34,222
1891-1895	9,107	287,057	227,960	1906	4,565	56,518	38,256
1896-1900	15,729	279,544	172,689	1907	4,375	56,515	37,300
1901-1905	19,394	278,798	159,543	1908	4,574	52,441	28,051
1906-1910	22,993	277,333	162,916	1909	4,822	54,722	28,465
1911-1915	22,968	338,384	189,626	1910	4,657	57,188	30,865
1916-1920	17,246	326,009	208,852	1911	4,687	60,999	32,616
1921-1925	12,194	313,757	258,862	1912	4,521	63,767	39,198
1881	1,679	33,258	37,658	1913	4,300	60,802	40,848
1882	1,572	36,197	41,106	1914	4,573	72,455	40,068
1883	1,451	35,733	39,618	1915	4,888	74,961	37,397
1884	1,400	37,744	41,921	1916	4,470	74,415	48,953
1885	1,538	39,906	42,504	1917	4,051	71,740	59,078
1886	1,687	39,694	39,482	1918	3,321	67,810	60,485
1887	1,003	41,722	40,887	1919	2,919	56,682	63,534
1888	1,004	45,793	43,045	1920	2,476	55,362	60,802
1889	1,505	50,095	46,838	1921	2,422	53,052	153,052
1890	1,589	54,516	57,242	1922	2,363	56,240	156,240
1891	1,605	58,380	57,630	1923	2,503	73,335	160,135
1892	1,597	63,500	55,663	1924	2,520	65,407	43,823
1893	1,739	60,000	46,800	1925 ¹	2,377	65,723	45,612
1894	1,911	49,500	31,422				
1895	2,255	55,727	36,446				

State or Territory	Gold, 1,000 fine ounces					Silver, 1,000 fine ounces					Silver, value, 1925, 1,000 dollars ²
	1910	1915	1920	1924	1925 ²	1910	1915	1920	1924	1925 ²	
Total	4,657	4,888	2,476	2,529	2,377	57,188	74,961	55,362	65,407	65,723	45,612
Alaska	787	808	413	304	290	154	1,055	822	691	647	440
Arizona	165	220	240	226	200	2,056	5,666	5,432	6,391	7,145	4,959
California	989	1,091	716	633	631	1,792	1,690	1,655	3,699	3,070	2,131
Colorado	993	1,090	363	421	349	8,523	7,200	5,167	8,834	4,369	2,990
Idaho	50	57	23	27	22	7,027	13,042	7,365	8,036	7,003	5,277
Michigan						262	582	512	155	181	91
Montana	180	241	92	96	86	12,283	14,423	13,263	13,689	12,857	8,928
Nevada	913	575	175	220	183	12,366	14,453	7,482	9,333	7,021	4,873
New Mexico	23	71	22	27	28	779	2,337	700	854	754	523
Oregon	33	90	50	28	18	44	125	102	45	29	20
South Dakota	260	358	210	297	283	121	198	88	89	102	71
Texas	(3)	(3)	(3)			364	725	523	718	570	396
Utah	209	189	103	153	179	10,446	13,073	11,755	17,822	21,111	14,651
Washington	39	22	7	14	10	205	214	178	219	167	116
Philippine Islands	7	64	62	83	86	2	15	22	40	40	32
Other	8	11	(3)	1	2	115	163	296	194	160	111

¹ For 1921, 1922, and first half of 1923 price is taken at the figure of \$1 per ounce fixed by the Pittman Act.

² Preliminary.

³ Less than 500 ounces.

Source: Reports of the Director of the Mint, Treasury Department.

No. 670.—GOLD AND SILVER: WORLD PRODUCTION

[NOTE.—Figures are totals for period or year. Coining value represents the number of United States dollars that could be coined from the specified quantity; in the case of silver this may differ materially from the market values in terms of gold]

Period	Quantity in thousands of fine ounces		Value (coining) in thousands of dollars		Period	Quantity in thousands of fine ounces		Value (coining) in thousands of dollars	
	Gold	Silver	Gold	Silver		Gold	Silver	Gold	Silver
1493-1520	5,221	42,309	107,981	54,703	1881-1885	23,974	460,020	405,582	594,773
1521-1544	5,525	69,598	114,205	89,986	1886-1890	27,306	544,557	564,474	704,074
1545-1560	4,378	160,287	90,492	207,240	1891-1895	39,413	787,907	814,738	1,018,708
1561-1580	4,398	192,579	90,917	248,990	1896-1900	62,235	828,467	1,286,505	1,071,148
1581-1600	4,745	269,353	98,095	348,254	1901-1905	78,034	839,977	1,613,099	1,086,031
1601-1620	5,478	271,925	113,248	351,579	1906-1910	104,858	986,258	2,167,605	1,275,181
1621-1640	5,337	253,085	110,324	327,221	1911-1915	111,297	1,012,375	2,300,704	1,808,929
1641-1660	5,639	235,531	116,571	304,525	1916-1920	94,819	923,233	1,960,067	1,193,675
1661-1680	5,954	216,691	123,084	280,166	1921-1924	68,044	866,179	1,406,586	1,119,912
1681-1700	6,922	219,842	143,088	284,240	1908	21,422	203,181	442,837	262,635
1701-1720	8,243	228,651	170,403	295,629	1909	21,965	212,149	454,059	274,294
1721-1740	12,268	277,262	253,611	368,480	1910	22,022	221,716	455,239	285,663
1741-1760	15,824	342,812	327,116	443,232	1911	22,397	226,193	462,990	292,452
1761-1780	13,313	419,712	275,211	542,658	1912	22,605	230,904	467,288	298,543
1781-1800	11,439	565,236	236,464	730,810	1913	22,255	210,013	460,051	271,533
1801-1810	5,716	287,469	118,152	371,677	1914	21,302	172,264	440,348	222,725
1811-1820	3,680	173,858	76,063	224,786	1915	22,738	173,001	470,026	223,677
1821-1830	4,570	148,070	94,479	191,444	1916	22,331	180,802	455,423	233,764
1831-1840	6,523	191,759	134,841	247,930	1917	20,346	186,125	420,579	240,646
1841-1850	17,605	250,903	363,928	324,400	1918	18,614	203,159	384,786	262,671
1851-1855	32,052	142,443	682,566	184,169	1919	17,698	179,850	365,854	232,633
1856-1860	32,431	145,477	670,415	188,092	1920	16,130	173,296	333,424	224,060
1861-1865	29,748	177,010	614,944	228,861	1921	15,975	171,286	330,232	221,460
1866-1870	31,350	215,258	648,071	278,313	1922	15,452	209,815	319,420	271,277
1871-1875	27,955	316,585	577,883	409,322	1923	17,791	246,010	367,764	318,076
1876-1880	27,716	393,878	572,931	509,256	1924	18,826	239,068	389,170	309,099

No. 671.—GOLD AND SILVER: PRODUCTION, BY PRINCIPAL COUNTRIES

[NOTE.—Only countries producing 200,000 ounces or more of gold or 1,000,000 ounces or more of silver in some one year covered are shown. Totals for world and for continents include countries not shown]

Country	Gold, 1,000 fine ounces					Silver, 1,000 fine ounces			
	1910	1915	1922	1923	1924	1910	1915	1923	1924
Total for world	22,023	22,738	15,452	17,791	18,826	221,716	173,001	246,010	239,068
North America	6,356	6,123	4,301	4,433	4,769	161,379	124,497	181,910	176,689
United States	4,657	4,888	2,289	2,426	2,446	57,138	74,961	73,296	65,367
Canada	494	918	1,263	1,224	1,525	32,869	26,626	17,755	19,736
Mexico	1,205	317	748	782	797	71,372	22,910	90,859	91,486
Central America and West Indies	225	144	121	97	87	2,027	2,920	2,600	2,698
South America	547	730	720	735	740	14,477	13,687	27,323	28,980
Bolivia	22	39	(1)	(1)	1	6,490	3,870	5,213	4,535
Chile	163	204	80	64	68	896	351	3,387	3,358
Colombia	22	54	276	276	266	366	351	3	23
Peru	22	54	81	120	120	6,627	9,420	18,655	18,655
Europe	1,918	1,414	230	336	675	16,992	16,663	8,674	9,453
Germany	3	4	5	6	6	5,597	5,456	3,753	3,753
Russia	1,721	1,273	147	261	574	141	638	193	2,200
Spain	—	—	1	1	1	4,152	4,565	2,778	2,880
Turkey	—	—	1	1	1	1,718	1,509	8	220
Asia	2,370	912	889	817	21,546	9,250	13,819	10,739	10,739
Queensland	132	25	19	19	—	3,082	12,068	9,257	9,257
Victoria	250	81	89	99	—	240	469	277	277
Western Australia	329	107	95	67	—	17	6	4	4
New Zealand	1,210	538	505	485	—	—	109	89	89
—	423	144	164	130	—	968	527	470	470
Asia	1,336	1,150	1,145	1,133	5,257	5,894	10,239	11,139	11,139
British India	519	617	438	422	396	45	285	4,863	5,309
Chosen	213	181	128	121	120	165	22	39	50
East Indies	234	150	133	145	149	466	400	1,570	2,083
Japan	189	261	234	247	247	4,682	5,120	3,597	3,535
Africa	8,475	10,589	8,019	10,157	10,805	1,037	1,188	1,544	1,802
British West Africa	—	—	213	201	234	—	(1)	—	—
Rhodesia	—	915	655	649	629	—	185	161	401
Transvaal, Cape Colony, Natal	—	9,096	7,020	9,149	9,575	—	996	1,374	1,400

¹ Less than 500 fine ounces. ² Estimate on basis of other years' production. ³ Amount exported.
Source of Tables 670 and 671: Reports of the Director of the Mint, Treasury Department.

No. 672.—IRON ORE: PRODUCTION, SHIPMENTS, EXPORTS, AND IMPORTS

[NOTE.—Nearly all exports are to Canada. Blank spaces indicate that figures are not available. Since 1905 ore containing 5 per cent or more of manganese is excluded; such ore in 1925 was 1,448,054 tons]

[All figures in thousands of long tons of 2,240 pounds]

Yearly average or year	Production	Shipments	Exports	Imports	Production, by region, State, and kind	1915	1923	1924	1925
1881-1890	10,385			766	Total	55,526	69,351	54,267	61,908
1891-1900	17,561			587	Lake Superior ¹	46,944	59,285	44,842	52,057
1901-1910	41,339		271	1,180	Birmingham	4,749	6,047	6,511	6,636
1911-1915	51,595	50,592	953	1,841	All other	3,833	4,019	2,914	3,215
1916-1920	69,737	70,224	1,143	967	Alabama	5,309	6,783	6,994	7,093
1921-1925	52,429	52,617	677	1,691	Tennessee	284	267	180	165
1914	41,440	39,714	552	1,351	Michigan	12,515	14,174	12,351	14,491
1915	55,526	55,493	708	1,341	Minnesota	33,465	44,348	31,902	30,556
1916	75,108	77,871	1,184	1,326	Wisconsin	1,095	871	660	817
1917	75,289	75,573	1,132	972	Pennsylvania	363	993	807	956
1918	69,598	72,021	1,256	787	New York	999	542	256	142
1919	60,965	56,373	997	476	New Jersey	415	308	65	203
1920	67,604	68,281	1,145	1,273	Wyoming	435	379	363	490
1921	29,491	26,653	440	310	All other	646	686	659	685
1922	47,129	50,013	602	1,135	Hematite	52,227	65,924	52,102	50,547
1923	69,351	69,811	1,117	2,768	Brown ore	² 1,489	² 1,233	² 814	² 884
1924	64,267	52,083	595	2,047	Magnetite	³ 1,807	³ 2,191	³ 1,348	³ 1,472
1925	61,908	63,925	631	2,191	Carbonate	3	3	3	5

¹ Includes only those mines in Wisconsin which are in the true Lake Superior district.

² Some hematite included with brown ore.

³ Some brown ore included in magnetite.

No. 673.—PRODUCTION OF IRON ORE, BY COUNTRIES

[NOTE.—Changes in boundaries of certain European countries affect comparison between pre-war and postwar statistics]

[Figures in thousands of metric tons of 2,204.6 pounds]

Country	1913	1920	1924	1925	Country	1913	1920	1924	1925
North America:					Europe—Continued				
United States	62,972	63,690	55,138	62,902	Poland		120	289	(¹)
Canada (shipments)	279	117	102	(¹)	Russia	9,514	170	8931	2,098
Cuba (shipments)	1,008	897	299	567	Italy		903	390	210
Newfoundland (shipments)	1,457	591	666	915	Norway		544	79	622
South America:					Sweden		7,476	4,519	6,500
Chile (Tofo mine)	14		988	1,334	Spain		9,802	4,768	4,613
Europe:					United Kingdom		16,253	12,911	11,228
Austria-Hungary	5,319				Asia:				
Austria		435	714	(¹)	China		4,423	1,490	1,100
Hungary		102	(¹)	68	Chosen		142	454	809
Czechoslovakia		1,053	1,174	(¹)	India		377	567	1,469
Belgium	150	17	165	(¹)	Japan		172	204	(¹)
France	21,918	13,922	28,992	35,741	Africa:				
Germany ²	28,608	6,354	4,454	(¹)	Algeria		1,349	1,071	1,623
Luxemburg	7,333	3,704	5,334	6,672	Morocco		⁵ 189	212	(¹)
					Tunis		594	406	798
					Australia		⁶ 92	606	7737

¹ Figures not available.

² Including manganeseiferous iron ore.

³ Year ended Sept. 30.

⁴ From Tayeh deposits only.

⁵ For Morocco, 1915.

⁶ For South Australia and Queensland.

⁷ For New South Wales and South Australia.

No. 674.—PIG IRON: PRODUCTION (INCLUDING FERRO-ALLOYS), 1810-1901

[NOTE.—For later years see Table 675]

Year	Long tons	Year	Long tons	Year	Long tons	Year	Long tons	Year	Long tons
1810	53,908	1870	1,665,179	1878	2,301,215	1886	5,683,329	1894	6,657,888
1820	23,000	1871	1,706,793	1879	2,741,853	1887	6,417,148	1895	9,446,303
1830	105,000	1872	2,545,713	1880	3,835,191	1888	6,489,738	1896	8,623,127
1840	285,903	1873	2,560,663	1881	4,144,254	1889	7,003,642	1897	9,652,680
1850	503,755	1874	2,401,262	1882	4,623,323	1890	9,202,703	1898	11,773,994
1855	700,159	1875	2,023,733	1883	4,565,510	1891	8,279,870	1899	13,620,703
1860	821,223	1876	1,868,961	1884	4,007,868	1892	9,157,000	1900	13,780,242
1865	831,770	1877	2,060,594	1885	4,044,526	1893	7,124,502	1901	15,878,354

Sources: Tables 672 and 673: Bureau of Mines, Department of Commerce; Table 674, American Iron and Steel Institute.

No. 675.—PRODUCTION, EXPORTS, AND IMPORTS OF PIG IRON (INCLUDING FERRO-ALLOYS) AND PRODUCTION OF STEEL INGOTS AND CASTINGS

[NOTE.—Up to and including 1900 production figures represent calendar years and exports and imports years ending June 30 following the calendar year specified. All figures since 1900 are for calendar years]

[All figures in long tons of 2,240 pounds]

Yearly average or year	Pig iron			Steel ingots and castings, production	Year	Pig iron			Steel ingots and castings, production
	Production	Exports of domestic	Imports			Production	Exports of domestic	Imports	
1871-1875.....	2,248,293	7,412	137,501	1,889,799	1911.....	23,649,547	120,799	148,459	23,676,106
1876-1880.....	2,562,733	8,407	276,000	803,479	1912.....	29,729,937	272,676	129,325	31,251,303
1881-1885.....	4,301,096	5,311	325,250	1,652,208	1913.....	30,966,152	277,048	150,450	31,300,874
1886-1890.....	7,070,812	12,407	229,070	3,292,703	1914.....	23,332,244	114,423	130,083	23,513,030
1891-1895.....	8,133,013	22,983	54,778	4,875,736	1915.....	29,016,213	224,509	89,836	32,151,030
1896-1900.....	11,491,937	224,268	34,308	8,430,638	1916.....	39,434,797	607,236	135,349	42,773,630
1902.....	17,821,307	27,487	619,354	14,947,250	1917.....	38,621,210	656,220	70,780	45,060,607
1903.....	18,009,252	20,379	599,574	14,534,878	1918.....	39,054,644	269,575	34,711	44,402,432
1904.....	16,497,033	49,025	79,500	13,859,887	1919.....	31,015,364	321,261	101,665	34,671,232
1905.....	22,962,380	49,221	212,466	20,023,947	1920.....	36,925,987	216,828	185,944	42,132,934
1906.....	25,307,191	83,317	379,828	23,398,136	1921.....	16,688,126	28,405	44,842	19,783,797
1907.....	25,781,361	73,703	489,475	23,362,594	1922.....	27,219,904	33,332	493,059	35,052,923
1908.....	15,936,018	46,696	92,202	14,023,247	1923.....	40,361,146	37,559	474,723	44,943,696
1909.....	25,795,471	61,989	176,442	23,955,021	1924.....	31,408,790	45,818	270,966	37,931,930
1910.....	27,303,567	127,385	237,233	26,094,019	1925.....	36,700,566	39,804	525,280	45,393,524

¹1875 only.

No. 676.—ANALYSIS OF PIG IRON AND FERRO-ALLOY PRODUCTION

[All figures in thousands of long tons unless otherwise specified]

	1900	1905	1910	1915	1920	1921	1922	1923	1924	1925
Total pig iron and alloys.....	13,789	22,992	27,304	23,916	38,926	16,688	27,220	40,361	31,408	36,701
By States:										
New England.....	14	16	17	8	10	2	1	1	---	---
New York, New Jersey.....	463	1,509	2,203	2,105	2,601	969	1,772	2,952	2,014	2,188
Pennsylvania.....	6,366	10,579	11,272	12,791	13,983	6,253	9,732	14,805	11,069	12,523
Maryland.....	290	332	326	252	524	147	367	530	568	705
Virginia.....	491	510	445	251	429	67	49	277	98	125
Alabama.....	1,184	1,604	1,930	2,049	2,393	1,207	2,231	2,797	2,774	2,856
Ohio.....	2,471	4,586	5,752	6,913	8,593	3,800	6,484	9,848	7,157	8,333
France.....	1,363	2,034	2,670	2,447	3,281	1,612	2,625	3,839	2,601	3,004
Germany.....	164	289	1,250	1,987	2,940	1,894	2,727	3,713	3,350	4,120
Sweden.....	185	351	307	373	711	227	381	825	357	468
Other.....	798	1,182	1,117	741	1,520	510	851	1,274	1,170	1,267
By disposition:										
For sale.....	(¹)	(¹)	(¹)	8,583	10,724	3,728	6,502	10,522	8,411	8,091
For maker's use.....	(¹)	(¹)	(¹)	21,333	26,202	12,960	20,718	29,839	22,995	27,710
By kinds:										
Basic.....	1,072	4,105	9,085	13,093	16,738	7,753	13,841	19,796	15,999	19,667
Bessemer.....	7,979	12,407	11,246	10,523	12,062	5,595	7,813	11,678	8,172	9,410
Foundry (incl. ferrosilicon).....	3,376	4,768	5,260	4,844	5,958	2,563	3,976	6,470	5,623	5,410
Malleable.....	173	635	843	830	1,311	457	1,051	1,571	973	1,554
Forge.....	793	728	564	316	318	113	214	327	256	241
Ferromanganese, spiegel-eisen, and all other.....	395	359	306	310	539	202	323	520	382	400
By fuel used:										
Coke.....	11,728	20,965	26,258	29,535	36,300	16,580	26,995	40,097	31,193	36,504
Anthracite.....	1,077	1,675	649	85	303	14	---	13	---	---
Charcoal.....	384	353	397	296	323	95	225	251	213	196
Materials used:										
Iron ore, briquettes, etc.....	24,131	41,525	51,739	55,137	66,450	20,630	47,835	72,312	55,075	(¹)
Cinder, scale, etc.....	1,600	(¹)	2,800	4,483	4,986	2,341	4,163	5,430	4,602	(¹)
Coke and bituminous coal—1,000 short tons.....	(¹)	(¹)	(¹)	33,329	42,046	18,196	29,225	44,819	34,335	(¹)
Limestone.....	7,422	11,027	14,528	14,790	17,825	7,350	11,720	17,985	13,113	(¹)
Total number of furnaces.....	406	424	473	445	462	450	449	432	425	395
Furnaces in blast Dec. 31.....	232	313	206	310	216	125	263	239	235	238

¹ Data not available.

² Electricity, electricity and coke, etc.

Source of Tables 675 and 676: American Iron and Steel Institute.

No. 677.—BLAST FURNACES AND STEEL MILLS: CENSUS STATISTICS

Year	Number of establishments	Wage earners (average number)	Wages	Value of products ¹	Value added by manufacture ²
1879.....	792	\$ 140,798	\$ 55,451	296,558	105,287
1889.....	719	171,181	89,273	478,688	151,415
1899.....	668	222,490	120,820	803,968	281,569
1904.....	605	242,640	141,427	905,788	285,642
1909.....	654	278,506	187,807	1,377,152	399,013
1914.....	587	278,072	210,923	1,236,319	380,913
1919.....	695	416,748	711,407	3,623,369	1,321,507
1921.....	628	254,213	354,357	1,901,431	535,256
1923.....	658	424,913	696,761	4,161,938	1,289,910

¹ Includes much duplication.² Value of products less cost of materials.³ Returns were not secured for number of salaried employees and it is probable that "wages" included amounts paid for salaries, and "wage earners" may have included some salaried employees.

Source: Bureau of the Census, Department of Commerce.

No. 678.—PRODUCTION OF STEEL INGOTS AND CASTINGS, BY GRADES

[Note.—All figures in long tons. Blank spaces indicate that figures are not available]

Year	Total	Bessemer	Open hearth			Cru-cible	Electric	Miscellaneous
			Total	Basic	Acid			
1890.....	4,277,071	3,688,871	513,232	2,545,091	853,044	71,175	-----	3,793
1900.....	10,188,329	6,684,770	3,398,135	7,815,728	1,155,648	100,562	-----	4,892
1905.....	20,023,947	10,941,375	8,971,376	15,292,329	1,212,180	122,303	-----	8,963
1910.....	26,094,919	9,412,772	16,504,509	22,308,725	1,370,377	113,782	52,141	3,194
1915.....	32,151,036	8,287,213	23,679,102	31,375,723	1,296,172	72,265	69,412	1,527
1920.....	42,132,934	8,883,087	32,671,895	30,719,523	857,827	22,473	502,152	3,535
1924.....	37,981,939	5,899,590	31,577,350	37,087,342	947,146	19,562	432,526	-----
1925.....	45,393,524	6,723,962	38,034,488	-----	-----	-----	615,512	-----

No. 679.—PRODUCTION OF ROLLED AND MISCELLANEOUS STEEL PRODUCTS

[Note.—All figures in thousands of long tons unless specified. Blank spaces indicate figures not available]

	1905	1910	1915	1920	1922	1923	1924	1925
Rolled products, total.....	10,340	21,821	24,393	32,348	28,452	33,227	28,086	33,887
Rails.....	3,376	3,636	2,204	2,804	2,172	2,905	2,433	2,786
Bessemer.....	3,192	1,884	327	143	22	26	10	10
Open hearth.....	183	1,751	1,775	2,334	2,033	2,739	2,308	2,692
Rolled.....	-----	-----	102	127	116	140	110	84
Sheets and plates.....	3,532	4,955	6,078	9,338	7,968	9,498	8,088	9,808
Universal.....	-----	-----	955	1,250	1,248	1,304	1,002	1,190
Sheared.....	-----	-----	1,923	3,505	2,172	2,865	2,147	2,557
Black sheets ¹	-----	-----	1,837	2,886	2,917	3,503	3,266	4,097
Black plates for tinning.....	-----	-----	1,093	1,449	1,267	1,499	1,415	1,632
Other black-plate specialties.....	-----	-----	270	247	365	327	257	325
Nail and spike plate.....	65	45	32	21	22	23	22	22
Wire rods.....	1,809	2,242	3,096	3,137	2,655	3,076	2,523	2,845
Structural shapes.....	1,661	2,267	2,437	3,307	2,719	3,405	3,284	3,604
Merchant bars.....	3,564	3,786	4,131	6,130	3,979	5,553	4,281	5,659
Skelp.....	1,436	1,828	2,299	3,220	2,872	3,734	3,171	3,230
Hoops.....	262	446	282	333	222	221	179	205
Bands and cotton ties.....	-----	425	438	389	271	348	294	356
Splice and tie-plate bars.....	-----	-----	536	576	606	750	630	823
Rol.....	42	460	651	447	326	449	347	345
All.....	881	1,715	2,208	2,846	2,641	3,316	2,835	3,726
Miscellaneous products:								
Tin plate (million pounds).....	-----	1,450	2,202	3,080	2,708	3,168	2,975	3,459
Terneplates (million pounds).....	-----	168	163	158	177	207	203	255
Galvanized sheets (million pounds).....	-----	-----	1,582	1,871	2,110	2,365	2,229	2,539
Galvanized formed products (million pounds).....	-----	-----	112	144	166	166	156	178
Wire nails, thousands of kegs ²	10,855	12,705	14,583	16,450	15,053	17,673	15,101	15,454
Cut nails, thousands of kegs ³	1,358	1,005	775	845	810	830	742	736
Wrought pipe, incl. boiler tubes.....	-----	-----	1,620	3,003	2,732	3,351	2,824	3,031
Boiler tubes.....	-----	-----	97	119	74	91	56	63
Seamless steel tubes.....	-----	-----	140	202	258	404	261	568
Cast-iron pipe (1,000 short tons).....	-----	-----	1,215	887	1,283	1,567	1,841	2,324
Forgings made by rolling mills.....	-----	320	524	540	371	519	350	388

¹ Rolled on sheet or jobbing mills.² Small structural forms not included.³ Of 100 pounds.

Source of Tables 678 and 679: American Iron and Steel Institute.

No. 680.—PRODUCTION, EXPORTS, AND IMPORTS OF FINISHED ROLLED IRON AND STEEL

[NOTE.—Blank spaces indicate that figures are not available]

[All figures in long tons of 2,240 pounds]

Calendar year	Total production, finished rolled products	Rails			Plates and sheets		
		Production	Exports	Imports	Production	Exports	Imports
1875		707,600	1,080	17,364			
1880		1,305,212	958	259,543			
1885		976,978	7,757	2,189			
1890		6,022,875	1,885,307	16,947	809,981		
1895		6,189,574	1,306,135	1,447	991,459		
1900	9,487,443	2,385,682	361,619	1,448	1,794,528	54,865	5,143
1904	12,013,381	2,284,711	416,250	37,776	2,421,398	55,204	4,165
1905	16,840,015	3,375,929	295,023	17,278	3,532,230	75,097	2,336
1906	19,588,468	3,977,887	323,036	4,943	4,182,156	110,700	3,231
1907	19,864,822	3,633,654	338,906	3,752	4,248,832	122,696	3,743
1908	11,828,193	1,921,015	196,510	1,719	2,649,093	104,993	2,893
1909	19,644,090	3,023,845	299,540	1,542	4,234,346	180,047	4,720
1910	21,621,279	3,636,031	353,180	7,861	4,955,484	274,521	0,152
1911	19,039,171	2,822,790	420,874	3,414	4,488,049	372,373	2,453
1912	24,656,841	3,327,915	446,473	3,780	5,875,080	546,521	3,299
1913	24,791,243	3,502,780	460,553	10,408	5,751,037	463,426	2,893
1914	18,370,196	1,945,095	174,680	22,571	4,719,246	280,095	4,310
1915	24,392,924	2,204,203	391,379	78,525	6,077,694	419,604	1,420
1916	32,380,389	2,854,518	540,828	26,299	7,453,980	515,558	1,730
1917	33,067,700	2,944,161	512,669	9,263	8,267,616	851,529	1,748
1918	31,155,754	2,540,892	453,537	8,705	8,799,135	854,136	1,517
1919	25,101,544	2,203,843	652,443	17,008	7,372,814	1,042,697	1,095
1920	32,347,863	2,604,116	594,638	45,684	9,337,680	1,273,558	1,792
1921	14,774,006	2,178,818	321,322	22,048	4,260,574	607,370	1,976
1922	26,452,004	2,171,776	277,090	26,629	7,968,397	439,417	1,947
1923	24,791,076	2,904,516	267,409	20,706	9,497,717	386,405	4,572
1924	28,086,435	2,433,332	208,496	43,358	8,087,883	360,540	6,066
1925	33,386,960	2,735,257	151,690	36,872	9,807,659	386,912	4,481

Calendar year	Nail-plate production	Wire rods			Structural shapes			All other finished rolled production
		Production	Exports	Imports	Production	Exports	Imports	
1890	251,828	457,099			517,920			2,618,660
1895	95,085	791,130						2,487,845
1900	70,245	846,291	10,652	21,092	815,101	67,714		3,575,536
1904	61,601	1,699,028	20,073	15,313	949,146	55,514	7,203	4,597,497
1905	64,542	1,808,688	6,514	17,616	1,660,519	84,234	16,147	6,398,107
1906	54,211	1,871,614	5,895	17,799	2,118,772	112,555	28,673	7,383,823
1907	52,027	2,017,583	10,697	17,076	1,940,352	138,442	2,294	7,972,374
1908	45,747	1,816,949	7,412	11,209	1,083,181	116,881	3,623	4,311,608
1909	63,746	2,335,685	20,142	10,544	2,275,562	90,830	6,146	7,711,506
1910	45,294	2,241,830	22,869	20,374	2,266,890	146,721	14,897	8,475,750
1911	48,522	2,450,463	22,641	15,483	2,192,367	223,493	5,343	7,316,090
1912	45,331	2,653,553	64,978	15,069	2,846,487	288,164	3,120	9,098,475
1913	37,603	61,464,807	61,637	16,098	3,404,972	403,264	11,659	10,030,144
1914	38,573	2,431,714	61,856	6,954	2,031,124	182,395	10,145	7,204,444
1915	31,929	3,095,907	165,014	5,317	2,437,003	232,139	1,494	10,546,188
1916	30,088	3,518,746	158,284	4,130	3,029,964	300,594	1,473	5,483,093
1917	22,864	3,137,138	181,941	1,060	3,110,000	294,150	6,216	15,585,921
1918	18,310	2,562,390	148,523	7,677	2,849,989	232,729	3,504	14,385,058
1919	12,832	2,538,476	118,010	342	2,614,036	360,787	1,154	10,359,543
1920	20,577	3,136,907	116,775	5,488	3,306,748	493,633	1,685	13,941,835
1921	14,573	1,564,330	18,953	917	1,272,624	297,022	777	5,483,087
1922	21,969	2,654,741	40,424	1,735	2,718,798	167,585	7,823	10,916,353
1923	22,833	3,075,892	40,868	3,948	3,405,197	199,021	10,674	12,870,921
1924	22,175	2,522,545	18,762	6,851	3,283,708	167,910	43,245	11,736,792
1925	22,038	2,844,656	21,207	7,988	3,604,130	169,261	77,291	14,323,220

¹ Includes skelp.² Production of small structural forms not included.

Source: American Iron and Steel Institute (exports and imports compiled from Government statistics).

No. 681.—PRODUCTS OF STEEL WORKS AND ROLLING MILLS AND OF THE WIRE, TIN-PLATE, AND CAST-IRON PIPE INDUSTRIES

[NOTE.—There is much duplication in this table owing to the use of partly finished products in the same plant, in other works of the same company, or in works of other companies covered in this same table. Products of steel works and rolling mills listed under Groups B, C, and D, if used in the same works, are not included, but the opposite is the case with those of Group A. The products chiefly used in further manufacture are wire rods, plates and sheets, black plates for tinning, and skelp (for welded pipe which appears, not segregated, under "Wire" and "Tin and terneplate"). The original census tables contain much further detail.]

Industry and product	Quantity in thousands of unit specified				Value in thousands of dollars		
	Unit	1914	1921	1923	1914	1921	1923
STEEL WORKS AND ROLLING MILLS							
All products, total value.....					918, 065	1, 481, 659	3, 154, 325
A. Finished rolled products and forgings, total.	Ton.....	18, 482	15, 110	34, 472	623, 486	920, 508	2, 108, 914
Rails.....	do.....	1, 842	2, 100	2, 748	54, 010	98, 635	114, 293
Rail joints and fastenings.....	do.....	349	384	794	11, 527	24, 337	44, 070
Structural shapes (not fabricated). ..	do.....	2, 083	1, 292	3, 500	57, 475	63, 008	171, 405
Reinforced concrete bars.....	do.....	270	202	618	7, 752	10, 266	32, 491
Merchant bars, mill shafting, etc.: ..							
Steel.....	do.....	2, 063	1, 610	5, 681	71, 353	99, 251	344, 753
Iron.....	do.....	412	213	404	13, 067	14, 759	29, 098
Bolt and nut rods, spike and chain rods, etc.	do.....	536	251	518	18, 320	13, 169	26, 861
Wire rods.....	do.....	2, 378	1, 577	2, 923	61, 578	77, 096	142, 792
Steel rods.....	do.....	(1)	1	168	(1)	702	20, 456
Plates No. 12 and thicker.....	do.....	2, 184	1, 722	4, 306	62, 769	93, 075	224, 475
Sheets No. 13 and thinner.....	do.....	1, 516	1, 278	3, 312	67, 017	101, 929	237, 855
Black plates (or sheets for tinning). ..	do.....	1, 012	943	1, 727	43, 147	79, 509	143, 488
Skelp.....	do.....	1, 961	2, 312	3, 647	52, 443	109, 465	186, 743
Hoops, bands, strips, and cotton ties.....	do.....	604	480	1, 405	19, 945	33, 734	108, 150
Nail and tack plate.....	do.....	50	19	43	2, 008	1, 318	2, 413
Axles.....	do.....	89	36	205	3, 407	3, 385	16, 121
Armor plate and ordnance.....	do.....	39	71	9	19, 948	30, 075	1, 921
Car and locomotive wheels.....	do.....	(1)	83	246	(1)	10, 776	24, 287
All other rolled products.....	do.....	683	351	1, 638	38, 564	29, 495	131, 337
All other forged or other products.....	do.....	411	135	630	19, 166	19, 919	55, 863
B. Semifinished rolled products (for sale or transfer), total.	do.....	6, 408	4, 716	11, 434	130, 075	175, 743	455, 460
slabs, for forging.....	do.....	3, 992	2, 739	7, 133	80, 639	102, 205	280, 692
Sheet and tin-plate bars.....	do.....	66	30	135	1, 695	1, 441	8, 522
Muck and scrap bar.....	do.....	2, 242	1, 605	4, 063	45, 373	69, 622	159, 811
All other.....	do.....	108	31	99	2, 068	1, 941	6, 065
	do.....		11	4		539	373
C. Unrolled steel (for sale or transfer), total.	do.....	632	746	1, 606	46, 117	88, 039	182, 796
Ingots.....	do.....	63	331	553	1, 383	14, 379	29, 185
Direct steel castings.....	do.....	569	415	1, 054	44, 734	73, 660	162, 611
D. Scrap iron and steel (for sale or transfer).	do.....	1, 446	1, 165	2, 218	16, 335	16, 784	37, 100
E. All other (including value added to rolled products by further manufacture).	do.....				102, 052	280, 580	370, 054
WIRE (All metals)							
All products, total value.....					172, 601	251, 235	492, 962
Iron and steel wire: 2							
Plain.....	Ton.....	2, 436	1, 725	3, 125	22, 317	33, 501	73, 999
Galvanized.....	do.....	374	530	952	15, 950	16, 136	23, 011
Other coated.....	do.....	(3)	19	96	(3)	2, 093	6, 383
Cold-rolled flat.....	do.....	(3)	60	142	(3)	8, 872	19, 694
Copper wire.....	Lb.....	277, 848	305, 404	697, 404	26, 206	35, 603	84, 786
Brass wire.....	do.....	36, 615	21, 972	87, 046	6, 366	3, 974	20, 418
Other metal wire.....	do.....	6, 929	19, 849	13, 652	1, 489	5, 487	5, 945

headnote.

where manufactured, for which no values are given. See

and also in the tables for wire products.

No. 681.—PRODUCTS OF STEEL WORKS AND ROLLING MILLS, ETC.—Continued

Industry and product	Quantity in thousands of unit specified				Value in thousands of dollars.		
	Unit	1914	1921	1923	1914	1921	1923
WIRE—continued							
Fabricated wire products:							
Brads and tacks.....	Keg ¹	12, 887	11, 298	17, 376	23, 369	41, 506	61, 973
Staples.....	Lb	66, 670	2, 646	3, 495	1, 325	329	380
Barbed wire.....	do	(²)	41, 735	62, 618	(³)	1, 536	2, 278
Rope, cable and strand.....	Ton	344	139	254	13, 764	11, 051	19, 123
	do	53	57	114	7, 974	14, 826	29, 427
	do	411	242	413	19, 796	24, 642	37, 364
	do	23	23	15	2, 823	5, 344	5, 403
	do	123	62	109	8, 899	6, 639	11, 365
Copper—							
Insulated wire.....	do	48	45	70	15, 709	17, 463	28, 701
Insulated cable.....	do	(⁴)	21	101	(⁵)	8, 506	41, 693
Rubber-insulated.....	do	(⁶)	17	45	(⁷)	7, 219	20, 442
Other fabricated products.....	do	(⁸)	4	25	(⁹)	1, 287	9, 373
All other products.....	do	(⁸)		31	(⁹)		11, 383
TIN PLATE AND TERNEPLATE							
All products, total value.....	do				1, 013	7, 325	8, 216
Tin plate.....	do				5, 601	6, 402	12, 797
Terneplate.....	Lb	1, 901, 332	1, 638, 373	3, 159, 251	68, 345	99, 129	165, 587
All other products.....	do	152, 634	87, 408	137, 301	-60, 528	90, 531	154, 636
CAST-IRON PIPE INDUSTRY ³	do				6, 012	5, 651	7, 840
All products, total value.....	do				2, 073	2, 947	3, 111
Gas and water pipe and fittings.....	Ton	909	557	1, 140	28, 103	44, 321	92, 674
Soil and plumbers' pipe and fittings.....	do	212	211	425	19, 805	28, 541	63, 916
Castings, other.....	do	14	24	23	6, 174	11, 656	24, 033
All other.....	do				682	2, 833	2, 810
					1, 442	1, 291	1, 915

¹ Of 100 pounds.² Included in "brads and tacks" in 1914.³ Included in "insulated wire" in 1914.⁴ Subsidiary cast-iron pipe products of other industries included for 1914, but not for 1921 and 1923.

No. 682.—PRODUCTION OF BRASS, BRONZE, COPPER, AND OTHER METALS

[NOTE.—These statistics do not represent working metals classed under the plants rolling, casting, or other metals' industry. The wire reported is included also in Table 681 and German silver, Babbitt metal, aluminum,

Product	Quantity in thousands of pounds						Value in thousands of dollars	
	1921 (total)	1923					1921	1923
		Total	Brass	Bronze	Copper	Other metal or alloy		
All products, total value ¹							214, 904	611, 470
Products capable of further manufacture.....	783, 041	1, 937, 617	1, 010, 668	201, 008	611, 503	114, 438	158, 148	406, 104
Ingot and bars.....	48, 666	186, 112	113, 829	8, 296	27, 962	36, 025	6, 185	26, 492
Plates and sheets.....	208, 317	531, 713	337, 214	22, 664	135, 788	36, 047	42, 867	113, 670
Rods.....	82, 510	315, 259	180, 075	4, 637	161, 365	19, 182	13, 334	59, 683
Tubing—								
Seamless.....	57, 664	119, 922	73, 000	6, 040	40, 372	501	13, 850	32, 917
Brazed.....	3, 545	15, 356	15, 162	142	82		1, 071	4, 487
Wire—								
Plain.....	122, 275	256, 980	55, 072	15, 832	185, 276	800	20, 710	48, 483
Insulated.....	14, 527	52, 306			52, 306		2, 351	10, 854
Castings and machinery fittings.....	249, 937	459, 937	286, 316	143, 388	8, 350	21, 883	57, 880	109, 488
Finished Products.....							56, 758	105, 333
Lamps.....							228	234
Electrical supplies.....							3, 358	8, 834
Hardware and trimmings.....							7, 573	7, 340
Other manufactured articles.....							27, 980	71, 910
All other products.....							17, 617	22, 018

¹ In addition, brass, bronze, and copper products to the value of \$1,366,067 in 1923, and \$31,766,999 in 1921, were manufactured by establishments engaged primarily in the manufacture of other products.

Source: Tables 681 and 682: Bureau of the Census, Department of Commerce.

No. 683.—WORLD PRODUCTION OF PIG IRON AND CRUDE STEEL

[NOTE.—All figures in thousands of long tons of 2,240 pounds. Figures for 1913 prior to 1921; figures for Austria prior to 1921 include the major portions of Poland's production prior to 1921 is covered in the figures for Germany and Poland's figures include most of Upper Silesia]

Country	Pigiron						Steel ingots and castings					
	1913	1921	1922	1923	1924	1925 ¹	1913	1921	1922	1923	1924	1925 ¹
World total.	77, 182	37, 273	54, 324	68, 067	66, 905	75, 509	75, 019	44, 024	64, 870	76, 949	77, 283	88, 964
United States...	30, 653	16, 506	26, 851	40, 026	31, 077	36, 350	31, 301	19, 744	33, 603	44, 944	37, 932	45, 500
Canada.....	1, 015	617	404	909	613	490	1, 043	669	485	885	650	600
Great Britain...	10, 200	2, 616	4, 902	7, 440	7, 319	6, 200	7, 664	3, 705	5, 881	8, 482	8, 221	7, 500
France.....	5, 126	3, 308	5, 147	5, 346	7, 570	8, 300	4, 614	3, 010	4, 404	5, 023	6, 791	7, 300
Saar Territory...	—	950	1, 140	914	1, 328	1, 450	—	1, 000	1, 245	981	1, 452	1, 575
Belgium.....	2, 428	862	1, 578	2, 154	2, 768	2, 550	2, 428	780	1, 539	2, 250	2, 815	2, 450
Luxemburg.....	—	955	1, 650	1, 384	2, 140	2, 300	—	747	1, 368	1, 182	1, 837	2, 050
Italy.....	420	75	91	243	209	300	—	672	600	1, 100	1, 337	1, 000
Spain.....	413	175	175	395	400	450	—	881	100	250	453	500
Sweden.....	730	304	255	273	498	435	—	582	203	343	294	466
Germany.....	19, 000	7, 715	9, 246	4, 857	7, 689	10, 500	18, 631	9, 837	11, 527	6, 204	9, 680	12, 500
Austria.....	2, 343	211	317	339	262	364	—	322	473	491	364	458
Czechoslovakia...	—	532	438	730	970	1, 279	—	904	630	1, 000	1, 328	1, 478
Poland.....	—	640	359	512	326	344	—	1, 476	930	1, 275	671	827
Hungary.....	—	60	246	205	285	300	—	90	295	344	235	250
Russia.....	4, 486	115	125	520	740	1, 378	4, 760	161	212	700	1, 125	1, 870
Japan.....	56	209	300	300	750	800	13	558	500	500	800	900
China.....	—	600	400	375	375	300	—	150	150	200	200	150
India.....	—	371	350	536	877	800	—	182	175	215	336	450
Australia.....	47	313	250	300	416	419	—	209	100	200	306	342
Miscellaneous...	200	149	100	200	200	200	100	100	100	200	200	200

¹ Estimated.

Source: The Iron Trade Review.

No. 684.—IRON AND STEEL: AVERAGE ANNUAL PRICES

[Prices of pig iron, rails, and billets in dollars per long ton; other prices in dollars per 100 pounds]

Year	Pigiron				Rails at mills in Penn-syl-vania ²	Bes-semer steel billets, Pitts-burgh	Soft-steel bars, Pitts-burgh	Iron bars, Pitts-burgh ³	Tank plates, Pitts-burgh	Beams, Pitts-burgh	Com-posite finished steel
	Bes-semer, Pitts-burgh	Basic, The Val-leys	South-ern, No. 2, Cincin-nati	Local, No. 2, Chi-cago ¹							
1890.....	18.37	—	15.11	16.66	31.78	30.29	—	1.84	—	—	—
1895.....	12.72	—	10.86	11.80	24.33	18.48	—	1.25	—	—	—
1896.....	12.14	—	10.29	11.64	28.00	18.83	—	1.21	—	—	—
1897.....	10.13	—	9.42	10.68	18.75	15.08	—	1.10	—	—	—
1898.....	10.33	—	9.46	11.32	17.62	15.31	0.95	1.07	1.08	1.17	—
1899.....	19.03	—	16.58	18.40	28.12	31.12	1.84	1.95	2.21	1.81	—
1900.....	19.49	—	17.04	19.47	32.29	25.06	1.59	2.15	1.54	1.91	—
1901.....	15.93	—	13.61	15.38	27.33	24.13	1.42	1.80	1.55	1.58	—
1902.....	20.67	—	20.00	20.86	28.00	30.57	1.58	1.94	1.70	1.81	—
1903.....	18.98	—	17.08	19.25	28.00	27.91	1.56	1.77	1.61	1.62	—
1904.....	13.76	—	12.73	14.37	28.00	22.18	1.33	1.48	1.54	1.54	1.71
1905.....	16.36	15.25	15.57	17.65	28.00	24.03	1.48	1.87	1.58	1.62	1.70
1906.....	19.64	18.10	18.37	20.43	28.00	27.45	1.51	1.93	1.61	1.70	1.77
1907.....	22.84	20.87	23.10	24.60	28.00	29.25	1.00	1.94	1.70	1.70	1.92
1908.....	17.07	15.16	15.54	17.57	28.00	26.31	1.49	1.60	1.64	1.64	1.86
1909.....	17.41	15.48	16.12	17.49	28.00	24.62	1.33	1.62	1.42	1.42	1.63
1910.....	17.19	14.76	15.16	17.09	28.00	25.38	1.44	1.65	1.47	1.45	1.66
1911.....	15.71	13.07	13.67	14.83	28.00	21.46	1.26	1.41	1.31	1.32	1.54
1912.....	15.94	13.92	14.93	15.32	28.00	22.38	1.29	1.44	1.33	1.32	1.53
1913.....	17.13	14.71	14.90	15.85	28.00	25.79	1.55	1.69	1.50	1.50	1.66
1914.....	14.89	12.87	13.41	13.60	30.00	20.09	1.15	1.32	1.14	1.15	1.43
1915.....	15.78	13.74	13.57	14.01	30.00	22.44	1.31	1.48	1.31	1.30	1.53
1916.....	23.86	19.76	18.07	20.26	34.00	43.95	2.67	2.13	3.53	2.55	2.67
1917.....	43.64	38.90	38.95	41.31	40.00	70.96	3.64	3.83	5.88	3.67	4.19
1918.....	36.67	32.50	36.56	33.25	57.00	47.33	2.89	4.31	3.24	2.99	3.54
1919.....	31.09	27.65	32.16	29.16	49.29	40.51	2.50	4.10	2.72	2.53	3.12
1920.....	44.39	42.21	44.47	42.53	54.38	56.22	3.22	4.75	3.28	2.95	3.63
1921.....	25.34	21.74	26.68	22.93	45.69	34.46	1.87	4.47	1.93	1.94	2.53
1922.....	27.58	24.20	23.93	24.85	40.75	33.95	1.72	3.35	1.72	1.71	2.22
1923.....	28.65	25.81	27.87	28.16	43.00	41.70	2.36	3.50	2.43	2.43	2.74
1924.....	23.20	20.24	23.92	22.11	43.00	37.99	2.20	4.00	2.12	2.19	2.61
1925.....	22.33	19.59	23.74	22.09	43.00	35.23	2.02	—	1.91	1.99	2.47

¹ At furnace after 1907² Bessemer rails to end of 1913; open-hearth thereafter. The extra \$2 per gross ton charged for many years on open-hearth rails was annulled, Oct. 22, 1921.³ All muck iron prior to 1892; subsequently, best refined.

Sources: Iron Age and American Iron and Steel Institute.

No. 685.—EXPORTS OF HEAVY IRON AND STEEL PRODUCTS

(NOTE.—This and the following table exclude the highly elaborated manufactures of iron and steel)

Articles	Quantity (long tons)			Value (thousands of dollars)		
	1923	1924	1925	1923	1924	1925
Total.....	2,010,108	1,806,268	1,762,551	167,247	150,494	144,262
Pig iron, not including ferro-alloys.....	32,318	41,483	32,674	862	958	725
Ferromanganese and spiegeleisen.....	4,295	3,165	5,496	151	92	161
Ferrosilicon.....	814	775		31	29	
Scrap.....	65,980	97,748	82,573	1,036	1,531	1,377
Ingots, blooms, billets, sheet bars, and skelp.....	111,881	96,160	87,479	5,931	4,661	3,892
Iron bars.....	12,662	5,054	4,616	1,076	514	425
Steel bars.....	158,319	99,534	111,950	10,743	7,190	7,605
Alloy steel bars.....	2,148	2,742	3,692	770	615	703
Wire rods.....	40,868	18,762	21,207	2,163	1,048	1,082
Galvanized sheets.....	114,750	108,152	160,269	12,396	11,040	16,842
Plates, iron and steel.....	115,462	85,048	104,448	7,353	5,248	6,205
Black steel sheets.....	139,105	148,742	95,433	13,515	13,302	8,211
Black iron sheets.....	14,158	11,005	14,771	1,655	1,239	1,473
Hoop, band, and strip steel.....	38,244	34,141	40,938	3,502	2,943	3,124
Tin plate, terneplate, etc.....	124,499	160,997	161,385	14,792	19,430	18,587
Structural shapes, plain material.....	122,062	102,408	104,339	7,020	5,990	5,470
Structural materials, fabricated.....	78,396	70,786	73,463	6,713	6,978	5,793
Metal lath.....	1,493	2,309	3,441	260	419	577
Steel rails.....	267,409	208,496	151,690	10,274	7,951	6,155
Rail fastenings, switches, frogs, etc.....	39,589	36,113	35,307	3,784	3,486	3,250
Boiler tubes and welded pipe.....	185,907	200,951	229,792	20,189	20,969	22,818
Cast-iron.....	28,065	28,771	32,206	4,732	4,477	3,901
Malleable.....	7,748	11,024	9,886	2,400	2,856	2,825
Barbed-wire and woven-wire fencing.....	74,846	90,444	71,117	6,737	6,970	5,234
Plain wire.....	92,232	37,047	35,598	8,075	3,362	3,190
Wire cloth and screening.....	1,960	1,631	1,854	851	695	744
Wire rope.....	6,256	4,187	4,376	1,675	1,220	1,253
Insulated wire and cable.....	1,450	978	642	687	393	268
Wire, other, and manufactures thereof.....	14,572	11,225	8,376	2,587	2,156	1,961
Wire nails.....	45,981	21,665	9,838	4,103	1,934	834
Nails other than wire, including tacks.....	8,759	7,886	9,237	1,945	1,605	1,776
Horseshoes.....	951	963	709	149	122	116
Bolts, nuts, rivets, and washers ¹	18,907	17,495	16,962	3,823	2,931	2,819
Car wheels and axles.....	20,291	22,329	19,935	1,891	1,946	1,734
Iron castings.....	10,046	8,460	10,412	1,561	1,447	1,421
Steel castings.....	4,724	5,879	4,210	1,126	1,409	1,122
Forgings.....	3,019	1,714	2,171	689	428	550

¹ Except track.

No. 686.—IRON AND STEEL: EXPORTS BY DESTINATION

(NOTE.—All figures in long tons (2,240 pounds). Products covered are those listed in Table 685)

Country	1923	1924	1925	Country	1923	1924	1925
Total.....	2,010,166	1,806,266	1,762,551	Chile.....	33,893	31,854	44,940
Belgium.....	7,911	9,542	9,034	Colombia.....	28,562	39,288	77,336
France.....	7,115	2,625	9,047	Ecuador.....	3,628	3,805	2,218
Germany.....	1,498	1,235	2,488	Peru.....	27,384	28,177	17,895
Italy.....	2,986	22,511	41,767	Uruguay.....	9,181	4,597	5,433
Netherlands.....	4,967	2,262	2,735	Venezuela.....	16,177	24,874	35,232
Norway.....	4,096	3,250	3,470	India and Ceylon.....	24,394	23,675	25,925
Spain.....	7,832	4,299	6,117	China.....	52,327	57,126	56,816
United Kingdom.....	163,080	156,855	52,261	Chosen.....	4,857	706	215
Canada.....	760,614	550,593	614,661	Dutch East Indies.....	7,989	26,845	25,194
Central America.....	40,287	50,219	52,536	Hongkong.....	10,863	11,086	3,569
Cuba.....	171,900	165,637	140,823	Japan.....	363,954	277,204	132,674
Dominican Republic.....	10,688	11,309	10,487	Kwantung.....	18,240	17,204	1,802
Argentina.....	53,744	55,388	87,296	Philippine Islands.....	35,049	48,909	46,895
Brazil.....	50,536	68,139	46,016	Philippine Islands.....	41,144	23,148	22,543
					31,682	3,230	2,630
					12,501	31,367	23,396
				All other countries.....	33,422	35,339	41,657

¹ Including the Irish Free State.² All British Africa.

Source of Tables 685 and 686: Bureau of Foreign and Domestic Commerce, Department of Commerce.

No. 687.—COAL PRODUCTION: QUANTITY AND VALUE

[NOTE.—Quantities in thousands of tons of 2 000 pounds; values in thousands of dollars. Includes coal consumed at mines. Figures for anthracite relate to Pennsylvania output only. Bituminous coal includes brown coal and small amounts of anthracite outside of Pennsylvania. Comparatively little coal is held in stock at the mines]

Year or yearly average	Quantity			Year	Quantity			Value	
	Total	An-thra-cite	Bitumi-nous		Total	An-thra-cite	Bitumi-nous	An-thra-cite	Bitumi-nous
1821-1830	140	66	75	1905...	392,723	77,660	315,063	141,879	334,658
1831-1840	1,032	722	310	1906...	414,157	71,282	342,875	131,918	381,162
1841-1850	4,535	2,607	1,837	1907...	450,363	85,604	364,759	108,594	451,215
1851-1860	12,513	7,645	4,868	1908...	415,843	83,393	332,450	158,179	374,135
1861-1865	20,538	11,142	9,396	1909...	460,815	81,070	379,744	149,182	405,487
1866-1870	31,706	16,281	15,425	1910...	501,596	84,485	417,111	160,275	469,282
1871-1875	52,179	23,407	28,773	1911...	496,371	90,464	405,907	175,189	451,376
1876-1880	62,261	25,800	36,461	1912...	534,467	84,362	450,105	177,623	517,983
1881-1885	107,291	36,198	71,093	1913...	569,960	91,525	478,435	195,181	565,235
1886-1890	138,398	43,952	94,446	1914...	513,525	90,822	422,704	188,181	493,309
1891-1895	178,822	53,405	125,416	1915...	531,619	88,995	442,624	184,653	502,038
1896-1900	227,123	55,625	171,498	1916...	590,098	87,578	502,520	202,010	665,116
1901-1905	339,357	66,854	272,503	1917...	651,402	99,012	551,791	283,651	1,249,273
1906-1910	454,555	81,142	373,413	1918...	678,212	98,926	579,286	336,480	1,491,810
1911-1915	529,189	89,233	439,955	1919...	553,952	88,092	465,860	364,027	1,160,616
1916-1920	626,386	92,741	533,645	1920...	638,265	89,598	548,667	434,252	2,129,933
1921-1925	559,589	77,708	481,881	1921...	506,395	90,473	415,922	452,305	1,199,984
1926-1930	293,300	67,472	225,828	1922...	476,951	81,683	395,268	273,700	1,274,820
1931-1935	301,590	41,374	260,217	1923...	657,904	93,339	564,565	506,787	1,514,621
1936-1940	357,356	74,007	283,349	1924...	571,613	87,927	483,687	477,231	1,002,626
1941-1945	351,816	73,157	278,660	1925...	585,083	62,116	522,967	(3)	(3)

State	1880	1890	1900	1911-1915	1916-1920	1921-1925	1923	1924 ¹	1925 ^{1,2}
Total quantity	71,482	157,771	269,684	522,189	626,386	559,589	637,904	571,613	585,083
Anthracite (Pa.)	28,050	46,469	57,368	89,233	92,741	77,708	93,339	57,927	62,116
Bituminous	42,831	111,302	212,316	433,956	533,645	481,882	564,565	483,687	522,967
Alabama	324	4,090	8,394	15,864	17,834	18,328	20,458	19,130	21,157
Arkansas	15	400	1,448	1,986	1,980	1,299	1,297	1,452	1,410
California	463	3,077	5,244	9,433	11,595	10,045	10,346	10,444	10,290
Colorado	6,115	15,292	25,708	58,320	78,255	68,900	79,310	68,523	68,795
Idaho	1,454	3,300	6,484	10,060	25,515	21,846	26,229	21,480	22,067
Iowa	1,461	4,022	5,203	7,442	7,571	4,970	5,711	5,468	4,803
Kansas	771	2,260	4,468	6,811	6,556	3,841	4,443	4,248	4,092
Kentucky	946	2,701	5,329	18,380	30,108	43,308	44,671	45,147	53,001
Maryland	2,229	3,858	4,025	4,549	4,158	1,997	2,286	2,134	2,514
Michigan	101	75	849	1,271	1,301	960	1,172	831	726
Missouri	844	2,735	3,540	4,048	5,086	2,974	3,403	2,481	2,507
Montana	(4)	517	1,062	2,972	4,008	2,803	3,148	2,905	2,655
New Mexico		376	1,299	3,618	3,728	2,755	2,915	2,786	2,473
North Dakota		30	130	506	787	1,177	1,385	1,201	1,104
Ohio	6,009	11,495	18,988	28,553	40,609	31,163	40,546	30,473	25,900
Oklahoma	121	869	1,922	3,720	4,292	2,724	2,885	2,330	2,239
Pennsylvania	18,425	42,302	78,842	157,229	168,532	134,308	171,880	130,634	139,892
Tennessee	495	2,170	3,510	6,288	6,208	5,183	6,010	4,557	5,980
Texas		184	968	2,201	1,980	1,057	1,187	1,147	873
Utah	15	318	1,147	2,999	4,693	4,583	4,720	4,488	4,630
Virginia	43	784	2,394	7,924	10,158	10,579	11,762	10,693	12,455
Washington	145	1,264	2,474	3,261	3,576	2,001	2,926	2,654	2,415
West Virginia	1,830	7,395	22,647	69,353	86,399	97,375	107,900	101,663	124,036
Wyoming	590	1,870	4,015	6,907	8,555	6,878	7,575	6,757	6,887
Yukon and Alaska	435	412	505	259	190	210	262	261	96

¹ Exclusive of product of wagon mines. ² Preliminary. ³ Not available. ⁴ Less than 500 tons.

Source: Bureau of Mines, Department of Commerce.

No. 688.—COAL: EXPORTS AND IMPORTS

[Quantities in thousands of tons (2,000 pounds) and values in thousands of dollars]

Calendar year	Exports						Imports ¹					
	Total		Anthracite		Bituminous ²		Total		Anthracite		Bituminous	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
1890.....	2,324	7,278	800	3,273	1,435	4,005	935	2,809	17	47	918	2,822
1895.....	4,125	10,754	1,647	5,937	2,477	4,817	1,516	3,955	158	329	1,357	3,627
1900.....	8,868	21,524	1,853	7,092	7,014	14,432	2,139	5,020	(2)	1	2,138	5,020
1905.....	10,292	28,973	2,498	11,105	7,794	17,808	1,843	4,011	38	107	1,804	3,964
1910.....	15,403	41,471	3,384	14,785	12,078	26,085	2,234	4,803	9	42	2,225	4,761
1915.....	22,742	61,247	3,965	18,429	18,777	42,517	1,707	4,413	3	15	1,704	4,398
1919.....	25,090	120,377	4,977	36,068	20,114	83,709	1,094	5,473	83	522	1,012	4,951
1920.....	43,921	349,811	5,404	45,538	39,517	304,273	1,277	6,992	32	258	1,245	6,734
1921.....	27,809	168,222	4,677	45,625	23,131	122,597	1,265	7,437	9	93	1,258	7,564
1922.....	15,063	91,242	2,649	25,351	12,413	65,892	5,294	28,250	234	1,502	5,080	26,747
1923.....	26,544	154,124	5,000	49,577	21,454	104,547	2,183	12,249	300	2,114	1,882	10,135
1924.....	21,118	111,039	4,018	40,068	17,100	70,971	535	3,019	118	880	417	2,138
1925.....	20,642	100,163	3,179	31,761	17,462	68,403	985	5,847	383	3,213	602	2,631

¹ Imports to and including 1910 are "Imports for consumption." ² Less than 500 tons.³ Does not include fuel or bunker coal laden on vessels engaged in foreign trade shown in Table 690.

No. 689.—COAL: SHIPMENTS, AVERAGE VALUE PER TON, AND MEN EMPLOYED

Calendar year	Thousand tons (2,000 pounds)				Average value per ton	Men employed	Days worked	Average tonnage per man—	
	Loaded for shipment	Sold locally	Used by mines	Made into coke at mines				Per day	Per year
ANTHRACITE									
1890	41,011	2,001	3,457	-----	\$1.43	126,060	200	1.85	369
1895	52,093	1,315	4,591	-----	1.41	142,917	196	2.07	406
1900	50,710	1,208	5,550	-----	1.49	144,206	166	2.40	398
1905	69,053	1,571	7,036	-----	1.83	165,406	215	2.18	470
1910	73,623	2,021	8,841	-----	1.90	169,497	229	2.17	498
1915	76,906	2,092	9,997	-----	2.07	176,552	230	2.19	504
1919	76,129	2,301	9,602	-----	4.14	154,571	266	2.14	570
1920	76,844	2,897	9,858	-----	4.85	145,074	271	2.28	618
1921	77,901	2,813	9,760	-----	5.00	150,499	271	2.09	567
1922	46,003	2,378	6,302	-----	5.01	156,849	151	2.31	349
1923	82,239	3,243	7,852	-----	5.43	157,743	268	2.21	592
1924	77,247	3,044	7,635	-----	5.43	160,009	274	2.00	548
BITUMINOUS									
1890	87,373	7,008	1,607	15,332	.99	192,204	226	2.56	579
1895	100,287	8,340	2,086	18,404	.86	239,962	194	2.90	563
1900	173,072	7,868	3,740	27,635	1.04	304,375	234	2.98	697
1905	255,201	10,639	7,007	42,412	1.06	460,629	211	3.24	684
1910	342,969	12,287	9,668	52,187	1.12	555,533	217	3.46	751
1915	379,877	12,354	9,799	40,595	1.13	557,456	203	3.91	794
1919	409,149	18,069	11,062	27,581	2.49	621,998	195	3.84	749
1920	504,873	21,289	11,896	30,608	3.75	639,547	220	4.00	881
1921	382,064	16,136	9,123	8,599	2.89	663,754	149	4.20	627
1922	383,677	17,506	7,831	13,253	3.02	687,958	142	4.28	609
1923	505,600	21,933	8,765	27,859	2.68	702,817	179	4.47	801
1924	441,666	21,111	6,618	14,392	2.20	619,604	171	4.56	750

No. 690.—BUNKER COAL LADEN ON VESSELS ENGAGED IN FOREIGN TRADE

Fiscal year ended June 30—	Quantity	Value	Calendar year ended Dec. 31—	Quantity	Value
	<i>Long tons</i>	<i>Dollars</i>		<i>Long tons</i>	<i>Dollars</i>
1907 ¹	4,460,482	14,179,380	1916.....	7,825,731	27,491,822
1908 ¹	5,387,461	19,979,097	1917.....	6,883,176	31,844,799
1909.....	6,003,794	19,671,778	1918.....	5,532,175	29,868,023
1910.....	6,335,929	20,350,020	1919.....	7,342,734	48,205,675
1911.....	6,507,162	20,974,322	1920.....	9,362,178	82,461,518
1912.....	7,092,255	22,803,885	1921.....	7,547,518	52,277,698
1913.....	7,350,404	23,690,371	1922.....	4,120,207	27,912,957
1914.....	7,811,913	25,571,487	1923.....	4,547,343	31,469,788
1915.....	7,062,643	23,684,214	1924.....	3,082,511	22,883,293
			1925.....	4,344,215	23,397,813

¹ Figures do not include coal laden on vessels on the Great Lakes.

Sources: Tables 688 and 690, Bureau of Foreign and Domestic Commerce; Table 689, Bureau of Mines, Department of Commerce.

No. 691.—LABOR STRIKES IN COAL MINES

Year	Men on strike	Working days lost	Average days lost per man	Year	Men on strike	Working days lost	Average days lost per man
1905	37,542	796,735	21	1915	67,190	2,487,431	37
1906	372,343	19,201,348	52	1916	170,633	3,344,586	20
1907	32,540	462,392	14	1917	100,240	2,343,369	15
1908	146,145	5,449,938	38	1918	76,395	508,626	6
1909	24,763	723,684	29	1919	453,419	15,761,410	35
1910	218,493	19,250,524	88	1920	282,419	5,914,473	21
1911	41,413	983,737	24	1921	151,263	3,106,103	21
1912	311,056	12,527,305	40	1922	603,031	73,497,043	122
1913	185,395	3,049,412	23	1923	107,214	3,868,543	20
1914	161,720	11,013,667	68	1924	129,432	5,362,748	41

State	1921		1922		1923		1924	
	Men on strike	Days lost	Men on strike	Days lost	Men on strike	Days lost	Men on strike	Days lost
Grand total	151,283	3,108,103	603,031	73,497,043	197,214	3,868,543	129,452	5,362,748
Anthracite (Pa.)	62,117	823,279	142,442	19,623,026	135,585	2,829,419	71,273	1,143,630
Total bituminous	89,146	2,282,824	460,589	53,874,017	61,629	1,239,125	58,179	4,219,118
Alabama	2,329	157,401	46	167				
Arkansas	1,677	17,400	3,691	435,507	324	9,009	1,076	29,272
Colorado	2,497	72,830	6,672	527,250			120	840
Illinois	18,088	226,112	93,584	11,547,829	7,474	95,458	4,217	50,101
Indiana	17,634	321,593	31,721	3,924,396	10,765	104,604	7,699	159,743
Iowa	897	1,840	12,192	1,479,497	1,946	19,874	989	16,445
Kansas	7,285	538,811	6,515	847,075	849	24,741	2,706	118,918
Kentucky	1,739	64,448	10,270	805,441	2,699	92,035	3,983	1,735,739
Maryland	123	4,403	4,446	988,206	2,686	359,520	108	504
Michigan	780	2,826	2,062	247,919	786	3,922	425	1,525
Missouri	2,089	50,108	7,535	939,192	312	10,857	1,580	76,600
Montana	92	2,035	3,361	428,678	25	25	17	53
New Mexico	425	1,700	585	75,135				
North Dakota	15	225	578	49,238	85	6,933		
Ohio	17,682	176,605	46,283	5,502,885	16,486	203,161	10,256	217,752
Oklahoma	1,520	12,231	5,872	773,127	1,020	8,211	1,318	144,607
Pennsylvania	14,895	302,625	155,004	18,388,895	10,984	157,130	8,793	361,226
Tennessee	638	17,350	5,864	482,231	572	24,766	2,134	244,945
Texas			693	13,867	137	18,141		
Utah	100	200	2,111	212,896			58	310
Virginia			240	2,200				
Washington	802	139,126	2,225	299,861	1,754	50,681		
West Virginia	7,198	170,617	49,832	5,348,298	2,625	49,587	7,688	1,060,478
Wyoming	591	2,978	8,607	1,054,227				

¹ Bituminous mines only.

Source: Bureau of Mines, Department of Commerce.

No. 692.—COAL: AVERAGE AND RELATIVE RETAIL PRICES¹ IN TON LOTS

Year	Anthracite—Chestnut		Anthracite—Stove		Bituminous	
	Average price	Relative price	Average price	Relative price	Average price	Relative price
1913 ²	Dollars 7.91	100	Dollars 7.73	100	Dollars 5.43	100
1914	Jan. 8.00	July 7.78	Jan. 7.80	July 7.60	Jan. 5.97	July 5.46
1915	7.99	7.73	7.83	7.54	5.71	5.44
1916	8.13	8.28	7.93	8.12	5.69	5.52
1917	9.40	9.16	9.29	9.08	6.96	7.21
1918	10.03	10.07	9.88	9.96	7.68	7.92
1919	11.61	12.17	11.51	12.14	7.90	8.10
1920	12.77	14.93	12.59	14.28	8.81	10.55
1921	16.13	14.35	15.09	14.90	11.82	10.47
1922	15.02	14.92	14.98	14.87	9.89	9.49
1923	15.46	15.05	15.43	15.10	11.18	10.04
1924	15.76	15.10	15.77	15.24	9.75	8.94
1925	15.37	14.93	15.45	15.14	9.24	8.61

¹ Prices represent combined averages for cities shown in Table 693.

² Average of prices for January and July, 1913. This is used as a base in working relative prices.

Source: Bureau of Labor Statistics, Department of Labor.

No. 693.—COAL: RETAIL PRICES, FOR HOUSEHOLD USE

[Prices (in dollars) of coal per ton of 2,000 pounds unless otherwise specified]

City	Anthracite:					Bituminous				
	Jan. 15—			1925		Jan. 15—			1925	
	1922	1923	1924	Jan. 15	July 15	1922	1923	1924	Jan. 15	July 15
Atlanta, Ga.....	17.38					7.52	10.48	8.13	7.32	6.70
Baltimore, Md.....	² 14.75	² 16.25	² 16.50	² 16.75	² 15.25	7.85	11.00	7.90	7.38	² 7.50
Birmingham, Ala.....						7.19	8.41	8.23	7.79	6.87
Boston, Mass.....	15.00	16.00	16.00	16.00	15.75					
Bridgeport, Conn.....	13.85	15.75	16.50	15.38	15.00					
Buffalo, N. Y.....	12.96	13.24	13.66	13.66	13.19					
Butte, Mont.....						11.67	11.49	11.42	11.05	10.77
Chattanooga, Tenn.....	² 17.10	² 17.10	² 17.10	² 17.10	² 17.10	12.00	12.00	12.00	11.00	² 11.90
Cincinnati, Ohio.....	15.34	16.05	17.00	16.70	16.10	8.91	10.98	8.69	8.51	8.21
Cleveland, Ohio.....	15.50					7.00	9.64	8.09	7.21	6.50
Columbus, Ohio.....	14.44	15.75	15.47	14.88	14.35	8.14	11.32	8.47	8.37	7.99
Dallas, Tex.....	15.08					7.20	0.85	7.25	6.68	6.03
Denver, Colo.....	³ 18.25	³ 18.13	³ 17.68	³ 17.75	³ 15.25	15.42	15.38	14.68	14.22	11.61
Detroit, Mich.....	⁴ 15.92	⁴ 17.25	⁴ 16.75	⁴ 16.33	⁴ 15.92	10.84	10.69	10.72	9.47	9.80
Fall River, Mass.....	14.56	16.00	16.13	15.38	15.33	8.75	11.89	9.48	8.93	8.79
Houston, Tex.....	15.00	16.08	16.92	15.83	15.71	9.17				
Indianapolis, Ind.....						12.25	12.83	13.17	12.38	10.67
Jacksonville, Fla.....	15.67	15.75	16.50	16.50	16.00	7.55	9.61	7.10	7.15	6.58
Kansas City, Mo.....	17.50					13.00	15.00	13.00	12.00	12.00
Little Rock, Ark.....	³ 17.21	³ 16.93	³ 16.29	³ 15.17	³ 14.00	8.67	8.90	8.60	8.13	7.84
Los Angeles, Calif.....	³ 15.00	³ 16.00	³ 15.00	³ 15.00	³ 13.00	12.80	12.50	11.67	11.00	9.80
Louisville, Ky.....						19.00	16.50	15.70	16.31	15.13
Manchester, N. H.....	16.75					7.10	10.18	8.70	7.37	6.17
Memphis, Tenn.....	16.50	18.00	17.50	17.00	16.50	11.00				
Milwaukee, Wis.....	18.00					7.79	9.41	8.00	8.11	7.29
Minneapolis, Minn.....	15.95	16.63	16.69	16.65	16.45	10.41	12.72	10.19	9.69	8.89
Mobile, Ala.....	17.75	17.67	18.08	17.95	17.75	11.70	13.91	11.51	10.92	10.88
Newark, N. J.....						11.21	10.93	11.07	10.02	9.12
New Haven, Conn.....	12.75	12.79	13.45	13.43	13.00					
New Orleans, La.....	14.00	15.33	19.00	15.20	14.55					
New York, N. Y.....	18.00	21.50	21.75			10.78	11.21	11.36	11.19	9.14
Norfolk, Va.....	13.21	14.45	14.50	14.33	13.88					
Omaha, Nebr.....	14.00	16.00	19.00	15.50	15.00	9.43	12.43	8.83	9.27	8.48
Peoria, Ill.....	22.00					11.86	11.64	10.17	10.04	9.50
Philadelphia, Pa.....	15.50					6.32	7.17	6.37	6.79	6.38
Pittsburgh, Pa.....	² 14.13	² 15.00	² 15.75	² 15.32	² 14.32					
Portland, Me.....	² 15.67	² 17.00	² 17.00	16.50	14.63	6.75	8.16	7.25	6.83	6.53
Portland, Oreg.....	15.84	15.84	16.56	16.56	16.32					
Providence, R. I.....						12.96	14.52	13.89	13.64	13.00
Richmond, Va.....	⁵ 15.00	⁵ 16.40	⁵ 16.35	⁵ 16.00	⁵ 15.50					
Rochester, N. Y.....	14.25	16.50	16.50	15.50	15.00	9.85	13.10	11.36	8.83	7.96
St. Louis, Mo.....	13.45	13.45	14.10	14.15	13.95					
St. Paul, Minn.....	16.38	16.58	17.38	16.88	15.95	7.16	8.36	7.22	6.69	6.02
Salt Lake City, Utah.....	17.75	17.64	18.09	17.95	17.75	12.05	13.93	11.59	11.57	11.16
San Francisco, Calif.....	⁶ 19.13	⁶ 20.00	⁶ 17.60	⁶ 18.50	⁶ 18.25	9.00	9.17	8.50	8.40	8.41
Savannah, Ga.....	⁶ 27.25	⁶ 26.75	⁶ 26.50	⁶ 26.50	⁶ 25.00	19.25	17.90	17.22	17.28	16.39
Scranton, Pa.....	⁷ 17.10	⁷ 17.00	⁷ 17.05	⁷ 17.00	⁷ 17.00	⁷ 12.27	⁷ 14.08	⁷ 12.12	⁷ 11.50	⁷ 10.08
Seattle, Wash.....	9.70	9.83	10.63	10.62	10.30					
Springfield, Ill.....						⁸ 10.13	⁸ 10.27	⁸ 10.24	10.21	9.81
Washington, D. C.....	² 14.62	² 15.87	² 16.24	² 15.67	² 14.83	4.58	5.33	4.50	4.25	4.38
						² 9.10	² 11.34	² 9.04	² 8.88	² 8.50

¹ The term "anthracite" signifies Pennsylvania anthracite, except as indicated by notes.² Per ton of 2,240 pounds.³ Arkansas anthracite.⁴ Colorado anthracite.⁵ 50 cents per ton additional is charged for binning.⁶ New Mexico anthracite.⁷ All coal sold is weighed by the city; charge of 10 cents per ton is included in the price.⁸ Prices in Zone A. The cartage charges range from \$1.25 to \$2.25 and are included in the price.

Source: Bureau of Labor Statistics, Department of Labor.

No. 694.—COKE: PRODUCTION, EXPORTS, AND IMPORTS

Year or yearly average	Production in thousands of tons (2,000 pounds)			By-product ovens, per cent of total	Production (value) in thousands of dollars	Exports	Imports ¹
	Total	Beehive ovens	By-product ovens			Thousands of tons	
1896-1900-----	16,265	15,741	524	3.2	30,293	249	54
1901-1905-----	25,073	23,566	2,107	8.2	58,581	517	150
1906-1910-----	36,848	31,208	5,552	15.1	91,068	904	159
1911-1915-----	40,394	29,000	11,394	28.2	103,739	897	98
1916-1920-----	52,429	27,733	24,696	47.1	320,799	1,182	34
1921-1925-----	42,872	10,898	31,974	74.6	-----	734	99
1914-----	34,556	23,336	11,220	32.5	88,334	694	133
1915-----	41,581	27,508	14,073	33.8	105,504	896	33
1916-----	54,534	35,404	19,069	35.0	170,841	1,176	55
1917-----	55,607	33,168	22,439	40.4	298,243	1,409	25
1918-----	50,478	30,481	23,998	46.0	382,324	1,688	30
1919-----	44,181	19,043	23,138	56.9	258,340	717	16
1920-----	51,345	20,511	30,834	60.0	475,981	490	41
1921-----	26,288	6,538	19,750	78.1	147,673	307	31
1922-----	37,124	8,573	28,551	76.0	238,313	512	94
1923-----	56,678	19,380	37,598	66.0	373,497	1,237	85
1924-----	44,270	10,286	33,984	76.8	244,042	680	83
1925 ² -----	50,702	10,714	39,988	76.9	(³)	954	202

¹ Imports entered for consumption.² Preliminary.³ Not available.

Source: Bureau of Mines, Department of Commerce.

No. 695.—COKE: BY-PRODUCT AND BEEHIVE PRODUCTION, BY STATES

[Figures in thousands of tons of 2,000 pounds]

	1915	1919	1920	1921	1922	1923	1924
BY-PRODUCT							
Total-----	14,073	25,138	30,834	19,750	26,551	37,598	33,984
Alabama-----	2,070	2,231	3,124	2,401	3,494	4,385	4,386
Colorado-----	-----	413	517	287	365	448	523
Illinois-----	1,087	1,704	2,137	1,322	1,983	3,187	2,355
Indiana-----	2,768	3,702	4,554	3,091	3,996	5,043	4,272
Kentucky-----	242	408	467	185	457	434	-----
Maryland-----	313	356	582	292	590	862	810
Massachusetts-----	504	393	488	294	407	554	398
Michigan-----	(²)	809	1,303	777	1,142	1,649	1,771
Minnesota-----	123	586	675	436	462	696	515
New Jersey-----	239	788	726	740	791	898	869
New York-----	684	751	1,040	747	1,495	1,784	1,601
Ohio-----	666	5,374	5,615	2,966	4,912	6,324	5,723
Pennsylvania-----	3,692	5,867	7,730	5,303	7,152	9,186	8,426
Tennessee-----	23	105	139	58	27	124	76
West Virginia-----	141	303	447	188	502	941	909
All other States-----	1,484	1,257	1,100	661	777	1,084	1,259
BEEHIVE							
Total-----	27,508	19,043	20,511	5,538	8,573	19,380	10,286
Pennsylvania-----	22,531	14,635	15,908	4,466	6,840	16,439	8,501
Ohio-----	19	108	37	62	99	150	110
West Virginia-----	1,250	1,021	1,381	210	418	822	330
Alabama-----	1,001	1,150	890	133	306	269	155
Kentucky-----	285	284	273	99	31	126	79
Tennessee-----	234	156	163	28	86	180	132
Georgia-----	20	18	17	7	9	13	8
Virginia-----	630	931	1,028	280	379	775	485
Colorado-----	671	201	273	81	119	200	212
New Mexico-----	389	260	(²)	(²)	88	(²)	83
Washington-----	(²)	36	33	3	26	38	32
Utah-----	(²)	(²)	(²)	(²)	172	233	160
All other States-----	478	244	459	168	-----	137	-----

¹ Preliminary.² Included under "all other States."

Source: Bureau of Mines, Department of Commerce.

No 696.—NATURAL GAS AND NATURAL-GAS GASOLINE

[NOTE.—Quantities of gas in millions of cubic feet, of gasoline in thousands of gallons; values in thousands of dollars. Production figures for gas refer only to that marketed, in addition to which considerable quantities are used by producers, and large quantities are wasted or lost. Values given are at the point of production. Consumption figures by States differ greatly from production figures by reason of interstate commerce.]

Yearly average or year	Natural gas produced and marketed		Natural-gas gasoline			Year	Natural gas produced and marketed		Natural-gas gasoline		
	Quantity	Value	Gas treated	Production	Value		Quantity	Value	Gas treated	Production	Value
1906-1910.....	437,057	57,940				1918.....	721,001	153,554	449,109	282,536	50,364
1911-1915.....	575,708	88,492	11,602	30,317	2,481	1919.....	745,916	160,888	480,404	351,535	64,197
1916-1920.....	762,681	154,590	412,787	268,038	48,174	1920.....	708,210	196,194	496,431	384,741	71,783
1921-1925.....	947,419	229,002	820,445	762,151	82,205	1921.....	662,052	174,617	465,097	440,034	61,815
1913.....	581,898	87,847	9,889	24,061	2,458	1922.....	762,546	221,535	545,159	505,832	72,711
1914.....	591,867	94,116	16,895	42,653	3,106	1923.....	1,006,976	240,001	876,711	816,220	77,268
1915.....	628,579	101,312	24,064	65,365	5,151	1924.....	1,141,521	253,856	1,016,276	933,861	82,233
1916.....	753,170	120,227	208,705	103,493	14,331	1925 ¹	1,164,000	255,000	1,200,000	1,104,900	117,000
1917.....	795,110	142,089	429,288	217,881	40,189						

State	Natural gas produced and marketed					Natural gas consumed	Natural-gas gasoline		
	1915	1921	1922	1923	1924	1924	1915	1924	1925 ¹
Total.....	628,579	662,052	762,546	1,006,975	1,141,521	1,141,432	65,365	933,861	1,104,900
Arkansas.....	² 992	4,260	9,700	24,215	36,616	44,595	-----	17,533	19,000
California.....	21,891	75,942	84,580	131,434	189,692	189,692	12,835	232,579	303,200
Illinois.....	2,690	2,646	3,383	4,049	4,072	4,072	1,035	9,091	11,500
Indiana.....	2,261	1,066	947	880	998	2,377	-----	-----	-----
Kansas.....	27,046	15,717	20,289	30,913	25,580	40,528	(³)	11,658	13,000
Kentucky.....	1,667	4,820	5,872	11,953	12,875	21,514	(³)	7,274	16,000
Louisiana.....	25,540	58,004	70,297	112,031	160,945	163,469	(³)	48,098	45,800
New York.....	7,977	6,583	6,947	6,497	6,196	16,506	(³)	477	470
Ohio.....	79,510	47,412	51,481	53,812	47,396	111,353	2,199	9,443	10,000
Oklahoma.....	87,617	124,058	140,631	203,082	214,452	183,451	31,666	301,062	390,800
Pennsylvania.....	113,682	86,144	101,276	112,562	105,863	123,932	⁴ 5,899	10,254	19,230
Texas.....	13,324	44,504	47,945	⁶ 74,535	⁶ 107,247	107,447	(³)	186,571	181,700
West Virginia.....	244,004	174,921	195,288	203,867	182,285	79,240	10,554	61,549	64,500
Wyoming.....	⁷ 342	15,608	23,427	35,523	46,036	44,879	-----	29,272	32,700
All other.....	126	367	513	1,623	1,268	8,427	877	-----	-----

¹ Preliminary.

² Includes gas piped from Oklahoma and consumed in Arkansas.

³ Included with all other.

⁴ Includes 12,000,000 cubic feet consumed in Canada.

⁵ Includes gasoline resulting from natural condensation in gas mains.

⁶ Includes 9,000,000 cubic feet consumed in Mexico in 1923 and 27,000,000 in 1924.

⁷ Includes Colorado.

No. 697.—ASPHALT: PRODUCTION, EXPORTS, AND IMPORTS

Quantity and value	1905	1910	1915	1920	1924	1925 ¹
QUANTITY, TONS OF 2,000 POUNDS						
Asphalt produced and sold.....	115,267	280,080	1,128,572	1,944,772	3,641,738	4,650,000
From domestic petroleum.....	52,369	161,187	604,503	700,496	1,158,456	1,400,000
From foreign petroleum.....	-----	-----	388,818	1,045,779	1,920,915	2,600,000
Native asphalt.....	-----	98,803	75,751	198,497	562,367	650,000
Asphalt and related bitumen imported.....	100,597	186,311	139,662	130,599	161,578	125,249
Asphalt exported, unmanufactured.....	-----	-----	38,203	51,706	52,568	32,835
VALUE, THOUSANDS OF DOLLARS						
Asphalt.....	758	3,080	8,973	27,472	40,074	54,000
From domestic petroleum.....	453	2,226	4,716	11,985	14,305	17,000
From foreign petroleum.....	-----	-----	3,730	14,273	21,711	32,000
Native asphalt.....	305	854	526	1,214	3,958	5,000
Asphalt and related bitumen imported.....	479	786	919	1,647	1,428	1,270
Asphalt exported, unmanufactured.....	-----	-----	736	1,356	1,246	826
-----	-----	-----	439	842	2,212	2,526

¹ Preliminary.

² Native asphalt and related bitumen.

Source: Tables 696 and 697, Bureau of Mines, Department of Commerce.

No. 698.—PETROLEUM: PRODUCTION, EXPORTS, AND IMPORTS

Year or yearly average	Crude oil						Refined products exported in thousands of gallons ¹	
	Quantity in thousands of barrels of 42 gallons			Equivalent in thousands of gallons				Production, value in thousands of dollars
	Production	Exports	Imports	Production	Exports	Imports		
1861-1870.....	3,240	(?)	(?)	130,342	(?)	(?)	12,880	(?)
1871-1880.....	12,519	528	(?)	525,785	22,177	(?)	19,678	253,093
1881-1890.....	29,249	1,719	(?)	1,228,438	72,188	(?)	23,381	507,532
1891-1895.....	51,095	2,606	(?)	2,145,991	109,455	(?)	35,708	703,533
1896-1900.....	59,498	2,907	(?)	2,498,928	122,070	(?)	56,836	850,071
1901-1905.....	102,083	3,029	(?)	4,287,494	127,223	(?)	83,524	937,304
1906-1910.....	172,769	3,686	(?)	7,256,290	154,798	(?)	119,572	1,281,889
1911-1915.....	247,739	4,134	12,080	10,405,057	173,625	507,371	185,793	1,867,943
1916-1920.....	362,661	5,413	49,631	15,231,774	227,337	2,080,311	735,698	2,473,616
1921-1925.....	646,383	13,563	94,893	27,148,060	569,636	3,985,526	-----	3,216,067
1915.....	281,104	3,768	18,139	11,806,372	158,263	761,852	179,465	2,157,836
1916.....	300,767	4,096	20,797	12,632,221	172,028	873,468	330,900	2,428,967
1917.....	335,316	4,098	30,127	14,083,255	172,121	1,265,321	522,635	2,477,946
1918.....	355,928	4,901	37,736	14,948,964	205,829	1,584,897	708,944	2,508,546
1919.....	378,307	6,019	52,822	15,891,414	252,783	2,218,506	760,266	2,210,933
1920.....	442,929	8,757	106,176	18,603,018	367,798	4,459,362	1,360,745	2,741,690
1921.....	472,183	8,940	125,364	19,831,686	375,465	5,265,287	814,745	2,416,425
1922.....	557,531	10,163	127,308	23,150,274	420,838	5,346,954	895,111	2,502,872
1923.....	732,407	17,385	82,015	30,761,094	730,186	3,444,631	978,430	3,270,638
1924.....	713,940	17,973	77,775	29,985,480	754,806	3,266,550	1,022,683	3,022,268
1925 ⁴	755,852	13,353	62,005	31,745,784	560,826	2,604,210	(?)	3,938,131

¹ Does not include bunker oil laden on vessels engaged in the foreign trade. See Table 701.

² Not available.

³ Not reported separately.

⁴ Includes reexports of imported crude.

⁵ Preliminary.

Source: Bureau of Mines, Department of Commerce.

No. 699.—STOCKS OF CRUDE PETROLEUM AS OF DECEMBER 31

[Thousands of barrels of 42 U. S. gallons]

Stocks	1913	1920 ¹	1921	1922	1923	1924	1925
Pipe-line and tank-farm net stocks, by field of origin:							
Appalachian.....	4,619	3,427	6,838	8,868	9,210	9,286	8,492
Lima-Indiana.....	1,746	1,038	1,014	685	975	1,221	971
Illinois and southwestern Indiana.....	8,243	2,965	7,567	10,140	11,091	10,870	10,532
Mid-continent.....	57,392	75,690	102,401	152,573	202,904	210,558	196,436
Gulf coast.....	2,059	11,163	17,606	24,781	23,974	20,200	19,263
Rocky Mountain.....	442	636	1,635	1,991	19,704	28,672	28,980
Producers' stocks.....	(?)	3,586	5,139	8,428	9,850	8,389	(?)
Refiners' stocks:							
Domestic.....	(?)	21,261	26,562	22,558	29,756	27,890	22,960
Foreign.....	(?)	11,247	11,247	3,503	3,294	3,294	4,188
Importers' stocks (foreign).....	(?)	7,442	13,540	5,062	4,754	734	407
Total stocks east of California.....	74,501	127,208	182,302	246,333	315,721	321,114	292,288
California (gross stocks).....	48,302	22,240	35,022	49,375	62,162	96,482	126,129
Grand total.....	122,803	149,448	217,324	295,708	377,883	417,596	418,427

¹ Reported by revised method.

² Not available.

³ Refiners' stocks of foreign origin prior to 1922.

⁴ Including producers' stocks.

⁵ Including fuel oil.

Source: Bureau of Mines, Department of Commerce.

No. 700.—PETROLEUM, CRUDE: PRODUCTION BY REGIONS AND STATES, AND APPROXIMATE WORLD PRODUCTION

[In thousands of barrels of 42 U. S. gallons]

Section	1880	1890	1900	1911- 1915 (average)	1916- 1920 (average)	1921- 1925 (average)	1924	1925 ¹	Production since 1857
Estimated world total.....	30,018	76,833	149,132	384,391	543,106	943,776	1,012,927	1,068,220	13,467,773
United States.....	26,286	45,824	63,621	247,739	362,661	648,013	713,940	704,000	8,069,928
Per cent of world total.....	87.6	59.8	42.7	64.4	66.8	68.7	70.5	71.7	64.4
Regions:									
Atlantic coast.....	26,246	30,067	36,295	24,694	27,161	28,536	27,056	27,270	1,426,480
Atlantic coast.....	15,078	21,759	5,052	3,468	2,297	2,287	2,287	2,121	460,550
.....	1	1	24,955	13,918	9,583	8,747	8,747	8,503	368,874
Mid-continent.....	1	1	917	87,656	184,016	342,872	375,479	420,960	3,329,245
Gulf.....	1	1	12,357	24,273	35,357	42,869	28,569	31,458	524,250
Rocky Mountain.....	369	323	2,605	11,830	35,224	42,869	35,386	35,386	258,337
California.....	40	307	4,325	90,512	97,384	194,605	228,933	230,148	2,287,808
Other.....			2	9	10	14			135
States:									
Arkansas.....						36,114	46,028	74,749	180,572
California.....	40	307	4,325	90,512	97,384	194,605	228,933	230,148	2,287,808
Colorado.....	369	317	211	139	380	445	1,164	1,351	13,451
Illinois.....	1	1	24,955	13,918	8,814	8,081	7,856	359,029	359,029
Indiana.....	64	4,874	1,167	865	1,010	935	825	113,071	113,071
Kansas.....	1	75	2,235	32,556	32,718	28,836	38,284	384,095	384,095
Kentucky.....	6	62	484	5,335	8,045	7,407	6,764	76,434	76,434
Louisiana.....			12,997	19,117	25,707	21,124	20,013	332,207	332,207
Montana.....				129	2,717	2,815	4,029	14,228	14,228
New Mexico.....					537	98	976	1,074	1,074
New York.....			1,301	920	864	1,267	1,440	1,658	61,540
Ohio.....	39	16,125	22,363	8,586	7,583	7,036	6,811	7,168	513,083
Oklahoma.....			6	68,524	102,209	155,086	173,538	176,760	1,810,869
Pennsylvania.....	26,028	28,458	13,258	8,002	7,662	7,552	7,486	7,824	788,093
Tennessee.....				10	13	10	23	113	113
Texas.....			836	16,256	55,008	126,603	134,522	142,618	1,136,797
West Virginia.....	179	493	16,196	10,487	8,311	6,579	5,920	5,776	343,948
.....			6	2,394	11,562	31,910	39,498	29,217	229,571
.....			2	9	10	14			273
Foreign countries.....	3,732	30,809	85,511	138,652	180,445	295,764	298,987	302,220	4,797,544
Mexico.....				22,791	82,056	155,952	139,497	115,000	1,316,281
Russia.....	8,001	28,691	75,780	66,521	42,648	39,717	45,312	52,000	2,105,149
Dutch East Indies.....			2,253	11,507	14,308	19,104	20,473	21,500	315,528
Persia.....				2,794	8,523	26,883	32,373	34,665	165,750
India.....		118	1,079	7,422	8,374	8,081	8,150	7,500	104,094
Rumania.....	116	383	1,029	12,499	7,090	11,801	13,303	16,625	224,467
Poland (Galicia).....	229	659	2,347	7,732	6,110	5,439	5,657	5,770	196,374
Portugal.....			274	1,941	2,628	6,338	7,812	9,164	61,485
Venezuela.....						7,358	8,754	20,200	36,789
All other.....	387	958	2,140	4,564	8,707	15,093	17,656	19,796	191,327

¹ Preliminary. United States total estimated; sum of preliminary figures, 755,852,000 gallons. Figures for foreign countries for 1925 are those of American Petroleum Institute.

² Southwestern Indiana reported with Illinois beginning with 1921; previously with Lima-Indiana region.

³ Kentucky includes report for Tennessee for 1890 and 1900.

⁴ Not shown separately prior to 1924.

⁵ Pennsylvania includes New York for 1880 and 1890.

⁶ Average for period 1913-1915.

⁷ Venezuela included in "all other" prior to 1921.

Source: Bureau of Mines, Department of Commerce.

No. 701.—BUNKER OIL LADEN ON VESSELS ENGAGED IN FOREIGN TRADE

Year	Quantity	Value	Year	Quantity	Value
	Barrels	Dollars		Barrels	Dollars
1916.....	5,529,787	5,583,222	1921.....	27,076,138	57,188,282
1917.....	5,908,319	7,391,985	1922.....	31,692,201	43,677,879
1918.....	6,603,043	11,676,063	1923.....	37,581,845	52,204,728
1919.....	14,031,356	29,383,438	1924.....	43,327,775	57,072,815
1920.....	26,334,883	66,679,056	1925.....	42,826,726	68,173,416

Source: Bureau of Foreign and Domestic Commerce, Department of Commerce.

No. 702.—PETROLEUM: INDICATED CONSUMPTION OF CRUDE PETROLEUM

[NOTE.—Consumption is calculated from production, stocks, export and import figures, and represents consumption of crude oil by refiners and users of oil for road and other purposes. See also headnote to Table 704]

[Thousands of barrels of 42 U. S. gallons]

Year	Production	Net imports	Domestic exports	Change in stocks	Indicated consumption
1915.....	281,104	18,139	3,768	+4,704	290,771
1918.....	355,928	37,736	4,901	-23,510	412,273
1919.....	378,367	52,727	5,924	+4,708	420,462
1920.....	442,929	106,462	8,045	+17,333	522,413
1921.....	472,153	125,290	8,866	+67,376	520,731
1922.....	557,531	127,141	9,995	+78,384	596,293
1923.....	732,407	80,500	17,061	+32,175	713,071
1924.....	713,940	77,407	17,605	+39,713	734,029
1925.....	* 759,852	61,809	13,187	+821	803,683

* Estimated consumption of oil in California.
 * Estimated consumption on the leases and produced but not transported from producing properties. Estimated total production, including these items, 764,000,000 barrels.

Source: Bureau of Mines, Department of Commerce.

No. 703.—PETROLEUM REFINING: CENSUS STATISTICS OF MATERIALS AND PRODUCTS

Material or product	Quantity (thousands of unit specified)				Cost or value (thousands of dollars)		
	Unit	1914	1921	1923	1914	1921	1923
Materials used, total cost.					325,265	1,382,170	1,425,053
Crude petroleum.....	Barrel.....	191,263	1,485,500	601,748	249,728	(?)	(?)
Distillates purchased and re-run.....	do.....	9,455		35,155	24,395	(?)	(?)
Casing-head gasoline.....	do.....	(?)	(?)	15,949	(?)	(?)	(?)
All other.....					51,142	(?)	(?)
All products, total value.					386,381	1,727,440	1,793,700
Gasoline.....	Gallon.....	1,195,422	5,098,057	7,332,329	106,140	840,672	876,732
Naphtha.....	do.....		199,533	399,493		28,892	38,761
Benzine.....	do.....	204,620	52,523	67,733	15,779	7,950	8,863
Other petroleum products.....	do.....		23,121	50,968		3,887	5,544
Lighter petroleum.....	do.....	1,935,275	1,939,197	2,238,900	96,806	151,595	146,942
Fuel oils:							
Distillates.....	do.....	457,492	1,220,247	854,801	15,999	59,586	32,107
Gas oils.....	do.....	755,558	1,634,342	1,591,951	22,805	85,322	62,530
Residual fuel oil.....	do.....	2,521,042	6,894,534	9,529,645	45,213	232,365	251,029
Partly refined oils sold for re-running.....	do.....	(?)	304,204	1,300,804	(?)	24,178	54,977
Other products:							
Gasoline.....	do.....	93,422	159,245	215,563	8,085	27,645	28,051
Naphtha.....	do.....	116,352	275,539	311,391	12,426	51,799	58,778
Benzine.....	do.....	102,949	188,044	234,410	13,704	38,363	44,720
Other petroleum products.....	do.....	205,115	326,399	380,288	21,598	76,803	72,945
Lighter petroleum.....	do.....	134,844	168,378	198,920	4,018	7,831	7,865
Gasoline.....	do.....	14,008	40,102	80,066		1,831	3,191
Benzine.....	do.....	57,539	24,444	35,024	3,538	9,755	10,785
Other petroleum products.....	do.....	465	58,419	69,536	8,897	11,764	12,899
Coke.....	do.....	214	1,170	2,134	4,867	16,647	23,339
Candles.....	do.....		531	647	819	3,715	4,796
Other special products.....					1,403	1,656	2,103
All other products.....					9,000	25,444	29,931
					5,266	19,749	16,806

1 Estimated.

2 No data.

Source: Bureau of the Census, Department of Commerce.

No. 704.—PETROLEUM PRODUCTS: OILS RUN TO STILLs, OUTPUT OF REFINERIES, STOCKS, EXPORTS, AND APPARENT CONSUMPTION OF PRODUCTS

[NOTE.—Stocks are those in the hands of refiners only. Hence "apparent consumption" represents deliveries by refiners to dealers and consumers. Exports include shipments to noncontiguous territories, and lubricating oil for 1922 to 1925 take into account, and for which no data were available prior to October, kerosene 3,012,000 gallons; gas and fuel oil, 508,930,000

[In thousands of unit specified]

	Unit	1918	1921	1922	1923	1924	1925
OILS RUN TO STILLs							
Crude oil.....	Barrel.....	326, 025	443, 363	500, 706	581, 238	643, 719	740, 004
Natural-gas gasoline.....	do.....	2, 451	2, 517	3, 662	5, 487	12, 671	17, 188
OUTPUT OF REFINERIES							
Gasoline:							
Produced.....	do.....	3, 570, 313	5, 153, 549	6, 202, 235	7, 555, 945	8, 959, 680	10, 886, 127
Exported.....	do.....	568, 876	551, 633	594, 576	871, 117	1, 216, 601	1, 530, 314
Stocks, end of year.....	do.....	12, 899	37, 816	62, 133	191, 314	145, 023	100, 137
Apparent consumption.....	do.....	297, 327	590, 087	888, 793	1, 074, 900	1, 294, 472	1, 648, 328
Kerosene:							
Produced.....	do.....	3, 129, 266	4, 516, 027	5, 372, 085	6, 685, 039	7, 770, 238	9, 362, 094
Exported.....	do.....	1, 825, 360	1, 045, 126	2, 306, 326	2, 348, 935	2, 521, 109	2, 510, 334
Stocks, end of year.....	do.....	490, 445	750, 652	902, 535	854, 555	922, 353	880, 233
Apparent consumption.....	do.....	380, 118	341, 009	281, 050	283, 106	360, 956	299, 190
Gas and fuel oil:							
Produced.....	do.....	1, 446, 548	1, 240, 537	1, 463, 896	1, 492, 536	1, 541, 911	1, 694, 874
Exported.....	do.....	7, 321, 398	9, 663, 816	10, 706, 227	12, 074, 192	13, 459, 969	15, 279, 072
Stocks, end of year.....	do.....	1, 244, 734	952, 408	770, 134	1, 401, 622	1, 564, 482	1, 517, 069
Apparent consumption.....	do.....	659, 001	1, 331, 265	1, 304, 728	1, 515, 037	1, 821, 369	1, 936, 019
Lubricating oil:							
Produced.....	do.....	5, 995, 561	8, 217, 550	10, 080, 409	10, 978, 286	(?)	(?)
Exported.....	do.....	841, 466	877, 859	978, 752	1, 007, 368	1, 154, 927	1, 301, 016
Stocks, end of year.....	do.....	258, 918	291, 343	333, 484	351, 580	382, 343	407, 325
Apparent consumption.....	do.....	138, 854	216, 766	235, 735	242, 785	269, 641	305, 203
Wax production.....	Pound.....	580, 550	530, 273	628, 108	739, 938	761, 192	859, 703
Coke production.....	Short ton.....	505, 144	433, 887	462, 003	466, 047	516, 491	590, 576
Losses.....	Barrel.....	14, 557	19, 558	18, 562	18, 921	19, 590	22, 668

¹ Figures for 1924 and 1925 are for stocks east of California only

² Not available.

Source: Bureau of Mines, Department of Commerce.

No. 705.—PETROLEUM PRODUCTS: CRUDE OIL RUN TO STILLs AND OUTPUT OF REFINERIES; BY REGIONS, 1925

Region	Crude oil run to stills	Natural gas gasoline run to stills	Output of refineries				
			Gasoline	Kerosene	Gas and fuel oil	Lubricants	Wax
Total.....	1,000 barrels 740, 004	1,000 barrels 17, 188	1,000 gallons 10, 886, 127	1,000 gallons 2, 510, 334	1,000 gallons 15, 279, 072	1,000 gallons 1, 301, 018	1,000 pounds 590, 576
East coast.....	128, 491	3, 191	1, 744, 120	573, 915	2, 474, 872	385, 937	230, 902
Appalachian.....	25, 118	362	420, 470	143, 110	241, 947	189, 467	82, 181
Indiana and Illinois.....	67, 159	1, 093	1, 461, 600	257, 523	777, 426	134, 707	81, 213
Oklahoma and Kansas.....	97, 612	2, 767	2, 015, 096	381, 771	1, 559, 373	105, 740	48, 970
Texas.....	144, 282	4, 175	2, 231, 485	561, 115	2, 773, 384	324, 068	60, 548
Louisiana and Arkansas.....	66, 997	568	629, 819	229, 349	1, 569, 027	33, 300	41, 513
Rocky Mountain.....	26, 164	835	611, 654	92, 697	470, 761	24, 650	45, 034
California.....	184, 181	4, 239	1, 765, 883	270, 855	5, 412, 282	103, 147	215

Source: Bureau of Mines, Department of Commerce.

No. 706.—PETROLEUM PIPE LINES

[All figures, except miles of line operated, in thousands of dollars]

Company and State or field served	Miles of line operated	Investment in pipe lines	Other investments	Pipe line operating revenues	Pipe line operating expenses	Pipe line operating income	Net income
ALL REPORTING COMPANIES							
1920-----	48,712	340,328	267,362	103,600	66,452	26,026	53,949
1921-----	55,200	365,024	287,114	115,950	62,370	25,530	34,400
1922-----	57,349	382,280	264,344	128,059	64,539	52,720	58,568
1923-----	64,760	432,065	305,841	131,213	69,234	52,678	62,639
1924-----	68,185	496,187	282,504	146,921	74,656	63,176	72,234
COMPANIES REPORTING OPERATING REVENUES OF OVER \$500,000 IN 1924							
Buckeye—Ohio-----	6,496	18,494	3,378	3,614	2,521	823	984
Cumberland—Kentucky and Appalachian Field-----	1,235	4,627	2,886	1,271	784	301	426
Empire—Kansas, Oklahoma, Texas, and Arkansas-----	919	9,949	-----	2,442	1,229	1,111	1,212
Eureka—West Virginia and Appalachian-----	4,646	10,808	1,945	1,999	1,835	1 89	1 8
Gulf—Texas-----	2,253	27,297	2,052	7,814	4,553	2,336	3,169
Gulf of Oklahoma—Kansas and Oklahoma-----	1,300	9,461	-----	4,409	1,821	2,453	2,805
Humble—Texas-----	1,954	23,605	-----	11,914	5,014	6,784	6,770
Illinois—Illinois, Indiana, Ohio, Wyoming, and Montana-----	3,663	30,624	586	6,605	3,644	2,221	2,758
Indiana—Indiana-----	988	5,119	4,226	1,270	642	411	618
Magnolia—Oklahoma and Texas-----	3,326	37,141	228,881	9,286	6,257	2,762	8,457
-----	477	4,357	328	2,669	963	1,685	1,497
-----	3,662	8,170	9,291	1,690	1,486	164	838
-----	1,525	6,941	1,633	1,088	760	146	245
-----	1,589	16,641	1,707	6,929	2,015	4,523	4,502
-----	939	12,481	-----	5,442	1,484	3,708	3,829
-----	11,126	82,506	7,372	25,092	11,486	10,914	11,795
-----	2,512	3,077	119	873	993	1 160	1 422
-----	147	1,761	2	1,083	451	597	222
-----	5,724	73,979	1,762	14,018	10,340	3,348	2,524
-----	1,689	4,223	1,338	744	679	-----	74
-----	1,131	5,971	7,543	619	509	1 48	202
Standard—Arkansas and Louisiana-----	1,783	25,415	30	17,550	4,303	11,602	11,519
Texas—Louisiana, Texas, and Arkansas-----	3,332	36,819	-----	12,898	6,272	6,375	5,679
Texas of Okla.-----	1,293	7,021	109	1,750	1,084	522	732
Tide-Water-----	2,143	11,040	31	2,227	1,675	546	1,213
Tuscarora—New Jersey and Pennsylvania-----	595	6,696	45	562	648	1 164	1 61

1 Deficit.

Source: Interstate Commerce Commission.

No. 707.—PETROLEUM: PRICES OF CRUDE AND REFINED PRODUCTS

[NOTE.—Prices of crude and fuel oil in dollars per barrel, others in cents per gallon. Compiled by Joseph C. Pogue. The weighted average prices are computed from five principal grades of crude oil at wells, from five markets each for kerosene from tank, gasoline wagon, and fuel oil, and for five grades of lubricating oil]

Yearly average	Crude	Gasoline	Kerosene	Fuel oil	Lubricating oil	Month, 1925	Crude	Gasoline	Kerosene	Fuel oil	Lubricating oil
	Dolls.	Cents	Cents	Dolls.	Cents		Dolls.	Cents	Cents	Dolls.	Cents
1914-----	0.93	13.0	7.6	0.90	15.6	January-----	1.59	14.1	12.2	1.59	24.9
1915-----	.75	11.7	7.1	.72	14.9	February-----	2.05	17.5	12.4	1.69	27.1
1916-----	1.33	18.9	7.9	1.04	18.3	March-----	2.15	18.0	12.6	1.63	26.9
1917-----	1.77	20.6	8.5	1.57	19.5	April-----	2.07	17.5	12.6	1.46	26.0
1918-----	2.22	21.7	10.2	2.01	30.9	May-----	2.05	17.4	12.6	1.35	25.9
1919-----	2.25	22.2	12.7	1.59	32.2	June-----	2.11	18.1	12.6	1.41	27.3
1920-----	3.44	26.5	17.1	2.79	49.0	July-----	2.16	18.4	12.6	1.40	27.3
1921-----	1.86	22.3	12.9	1.30	27.6	August-----	2.08	17.7	12.5	1.41	26.0
1922-----	1.78	21.7	12.4	1.24	20.4	September-----	1.87	15.1	11.9	1.33	25.0
1923-----	1.71	17.5	12.8	1.20	19.4	October-----	1.81	14.8	11.4	1.31	25.2
1924-----	1.84	15.9	12.7	1.35	23.0	November-----	1.81	15.0	11.9	1.37	25.4
1925-----	1.96	16.6	12.3	1.46	26.1	December-----	1.87	15.2	12.5	1.52	26.6

No. 708.—STONE: PRODUCTION (SALES), BY VARIETIES AND USES

Varieties and uses	Quantities sold, thousands of short tons						Values, 1,000 dollars, 1925 ¹
	1920	1921	1922	1923	1924	1925 ¹	
Total.....	78,527	68,589	80,212	108,319	108,184	110,000	168,000
Granite.....	4,760	4,752	5,913	7,300	6,884	(2)	(2)
Basalt and related rocks.....	9,219	8,524	10,033	10,674	11,672	(2)	(2)
Sandstone.....	3,343	2,640	3,388	4,349	3,895	(2)	(2)
Marble.....	432	315	428	563	516	(2)	(2)
Limestone.....	59,290	45,621	58,929	76,701	75,894	(2)	(2)
All other.....	1,483	1,685	1,521	3,731	4,324	(2)	(2)
Building stone.....	1,266	1,369	1,929	2,059	2,212	2,000	32,000
Monumental.....	384	230	248	424	394	300	15,000
Paving blocks.....	390	453	326	462	376	300	3,000
Curbing.....	128	184	236	252	296	290	3,400
Flagging.....	56	65	54	44	60	50	600
Rubble.....	502	445	632	882	865	850	1,000
Riprap.....	2,211	1,814	2,049	3,186	3,265	3,000	3,000
Crushed stone.....	40,366	43,203	49,764	62,323	68,198	70,000	75,000
Furnace flux (limestone and marble).....	25,090	10,669	18,718	25,602	19,600	25,000	20,000
Refractory stone.....	1,735	496	902	1,152	1,094	1,200	1,500
Manufacturing industries (limestone and marble).....	4,592	2,883	3,586	4,668	4,734	7,000	10,500
Other uses ²	1,806	1,728	1,707	2,264	2,000		

¹ Estimate.

In short tons; cx cubic feet; mon and flagging, 800,000 cubic feet.

² Not available.³ Chiefly agricultural limestone.

Source: Bureau of Mines, Department of Commerce.

No. 709.—SALT: PRODUCTION, BY STATES AND KINDS; EXPORTS AND IMPORTS

(NOTE.—All quantity figures in tons of 2,000 lbs. Production figures represent sales plus that used by Porto Rico)

Year	Production	Exports	Imports	Year	Production	Exports	Imports
1880.....	834,548	1,042	509,703	1915.....	5,852,409	80,474	122,326
1885.....	985,411	2,108	440,290	1916.....	6,302,906	84,065	122,079
1890.....	1,242,779	2,464	257,323	1917.....	6,978,177	118,998	64,922
1895.....	1,913,751	3,602	279,576	1918.....	7,238,744	186,783	40,200
1900.....	2,921,708	7,511	199,009	1919.....	6,882,902	119,416	59,514
1905.....	3,635,257	34,238	161,156	1920.....	6,840,029	139,272	137,054
1910.....	4,242,752	49,013	137,103	1921.....	4,981,154	109,593	93,095
1911.....	4,365,756	48,873	142,000	1922.....	6,792,849	134,989	113,922
1912.....	4,665,473	62,410	130,813	1923.....	7,130,713	125,629	88,750
1913.....	4,815,902	70,280	154,765	1924.....	6,803,115	144,945	88,933
1914.....	4,872,656	82,295	130,804	1925.....	7,394,000	155,079	85,788

State or kind	1900	1910	1915	1920	1923	1924	1925
Production, total.....	2,921,708	4,242,782	6,352,409	6,840,029	7,130,713	6,803,115	7,394,000
Michigan.....	1,009,487	1,323,283	1,702,430	2,262,915	2,127,412	1,918,463	2,174,000
New York.....	1,195,560	1,629,953	1,570,446	1,903,101	2,065,842	1,972,568	2,054,000
Ohio.....	199,540	514,339	823,234	1,057,862	1,102,387	1,102,214	1,195,000
Kansas.....	312,743	393,603	527,123	783,665	845,163	794,303	813,000
California.....	87,060	131,252	146,784	212,008	252,465	268,112	282,000
Texas.....	(2)	53,503	62,297	91,103	(2)	(2)	(2)
Utah.....	34,878	34,970	55,279	75,269	81,449	78,577	88,000
West Virginia.....	34,142	21,788	32,513	20,802	31,589	37,561	26,000
Undistributed.....	138,268	140,003	372,303	424,384	624,466	631,077	762,000
Kinds:							
Manufactured (evapo- rated).....	1,725,304	1,953,069	2,335,823	2,409,924	2,239,872	2,224,555	2,267,060
In brine.....	779,949	1,314,492	1,851,199	2,819,916	2,787,239	2,513,853	2,820,000
Rock salt.....	416,365	975,281	1,165,387	1,610,189	2,103,602	2,064,707	2,307,000
Total value (dollars).....	6,944,803	7,900,344	11,747,686	20,894,075	27,785,941	25,747,048	28,216,000

¹ Includes Louisiana.² Included in "Undistributed."

Source: Bureau of Mines, Department of Commerce

95598°—S A 1925—48

No. 710.—PORTLAND CEMENT: PRODUCTION, SHIPMENTS, EXPORTS, AND IMPORTS

[NOTE.—Imports are " " and exports include both domestic and foreign cement but not that going t Both imports and exports include all kinds of hydraulic cement, most of it include exports made directly by manufacturers. (See Table 711.)]

State	1900	1910	1915	1920	1922	1923	1924	1925
	Thousands of barrels ¹							
Production, total.....	8,482	76,550	85,915	100,023	114,790	137,460	149,358	161,202
Alabama.....		² 1,481	(³)	1,132	2,291	3,407	5,553	6,255
California.....	45	⁴ 6,386	4,503	7,098	8,712	11,002	11,615	12,941
Illinois.....	240	4,459	5,157	5,530	6,407	7,148	6,994	7,208
Iowa.....		⁵ 2,010	4,560	4,840	4,272	5,732	5,624	4,048
Kansas.....	80	5,666	3,580	4,341	4,634	6,026	5,894	6,515
Michigan.....	665	3,688	4,705	4,891	6,244	7,620	9,260	10,920
Missouri.....		4,456	4,627	6,018	6,171	7,306	7,871	8,371
New York.....	466	3,296	5,044	5,885	5,923	6,990	7,572	8,780
Ohio.....	534	1,528	1,940	1,780	2,835	4,189	4,001	5,086
Pennsylvania.....	4,984	26,676	28,649	28,269	33,276	38,167	40,850	41,876
Texas.....	26	⁶ 2,287	1,939	2,562	3,201	4,179	4,566	4,806
Washington.....		(⁷)	1,496	1,798	1,943	2,106	1,842	2,481
Other States.....	1,442	14,627	16,646	25,800	25,451	33,508	37,115	40,712
Shipments.....	(⁷)	(⁷)	86,892	96,312	117,701	135,912	146,048	156,721
Imports.....	2,387	207	42	525	356	1,767	2,024	3,655
Exports.....	100	376	2,565	2,986	1,128	1,002	879	1,020
Stocks, end of year.....	(⁷)	(⁷)	11,468	8,838	9,352	10,900	14,123	18,365

1
2
3
4

¹ Includes Kentucky and West Virginia.

⁶ Includes Oklahoma

⁷ Not available.

No. 711.—PORTLAND CEMENT: SHIPMENTS BY DESTINATIONS

State	1922	1923	1924	State	1922	1923	1924
	Thousands of barrels ¹				Thousands of barrels ¹		
Shipped from cement plants.....	117,701	135,912	143,048	Shipments to States—Con.			
Shipments to States.....	116,307	134,703	145,062	South Atlantic—Contd.			
New England.....	5,802	6,179	6,615	West Virginia.....	1,478	1,817	1,661
Maine.....	462	510	387	North Carolina.....	2,285	3,103	3,000
New Hampshire.....	365	360	379	South Carolina.....	629	627	571
Vermont.....	213	234	300	Georgia.....	1,084	1,425	1,408
Massachusetts.....	3,046	3,124	3,360	Florida.....	924	1,300	2,177
Rhode Island.....	454	510	608	East South Central.....	3,523	4,781	5,722
Connecticut.....	1,202	1,441	1,582	Kentucky.....	1,163	1,507	1,704
Middle Atlantic.....	28,848	32,583	36,831	Tennessee.....	939	1,267	1,559
New York.....	13,272	15,881	17,466	Alabama.....	998	1,490	1,873
New Jersey.....	5,116	5,401	6,410	Mississippi.....	423	458	527
Pennsylvania.....	10,458	11,231	12,904	West South Central.....	6,820	7,326	8,409
East North Central.....	32,114	38,688	41,984	Arkansas.....	498	849	1,084
Ohio.....	7,770	8,844	9,203	Louisiana.....	906	1,029	1,200
Indiana.....	3,895	5,011	5,523	Oklahoma.....	2,023	2,120	2,211
Illinois.....	9,068	12,237	13,328	Texas.....	2,893	3,329	3,864
Michigan.....	6,197	7,532	9,355	Mountain.....	3,288	3,304	3,391
Wisconsin.....	4,584	5,064	4,515	Montana.....	265	281	293
West North Central.....	14,809	15,510	14,736	Idaho.....	257	291	262
Minnesota.....	3,556	3,415	3,248	Wyoming.....	228	349	331
Iowa.....	3,246	3,625	3,144	Colorado.....	1,093	1,107	1,337
Missouri.....	3,018	3,492	3,985	New Mexico.....	269	222	232
North Dakota.....	284	303	240	Arizona.....	634	486	415
South Dakota.....	507	565	467	Utah.....	450	476	428
Nebraska.....	1,606	1,497	1,500	Nevada.....	92	93	92
Kansas.....	2,692	2,613	2,143	Pacific.....	11,051	13,256	13,789
South Atlantic.....	10,394	13,008	13,616	Washington.....	1,751	1,926	1,730
Delaware.....	353	405	336	Oregon.....	944	956	1,211
Maryland.....	1,547	1,828	1,989	California.....	8,356	10,373	10,847
District of Columbia.....	662	757	723	Unspecified.....	56	88	60
Virginia.....	1,432	1,742	1,701	Exports direct by manufacturers ²	1,394	1,209	986

¹ Of 876 pounds.

² Includes shipments to Alaska, Hawaii, and Porto Rico.

Source of Tables 710 and 711: Bureau of Mines, Department of Commerce.

No. 712.—CEMENT PRODUCTION: QUANTITY, BY KINDS, AND TOTAL VALUE

[NOTE.—Portland cement is expressed in barrels of 376 pounds; masonry, natural, and puzzolan cement in 1921 and later years in 376-pound barrels and prior to 1921 in barrels of 240, 265, and 320 pounds]

Year	Production in thousands of barrels			Total value in thousands of dollars	Year	Production in thousands of barrels			Total value in thousands of dollars
	Total	Portland	Masonry, natural, and puzzolan			Total	Portland	Masonry, natural, and puzzolan	
1890.....	7,777	336	7,441	4,527	1912.....	83,351	82,438	913	67,462
1895.....	8,731	990	7,741	5,482	1913.....	92,949	92,097	852	93,001
1900.....	17,231	8,482	8,749	13,284	1914.....	89,050	88,230	820	82,204
1901.....	20,069	12,711	7,358	15,787	1915.....	86,708	85,915	794	74,235
1902.....	25,754	17,231	8,523	25,366	1916.....	92,363	91,521	842	101,379
1903.....	29,899	22,343	7,556	31,931	1917.....	93,454	92,814	639	126,106
1904.....	31,675	26,506	5,169	26,032	1918.....	71,515	71,082	433	114,132
1905.....	40,102	35,247	4,855	35,932	1919.....	81,307	80,778	529	138,714
1906.....	51,000	46,463	4,537	55,302	1920.....	100,791	100,023	767	203,198
1907.....	52,230	48,735	3,445	55,904	1921.....	99,381	98,842	539	187,703
1908.....	52,911	51,073	1,838	44,478	1922.....	115,679	114,790	889	203,824
1909.....	66,690	64,991	1,698	53,611	1923.....	138,732	137,460	1,272	259,632
1910.....	77,785	76,550	1,235	68,752	1924.....	147,466	146,048	1,418	266,053
1911.....	79,548	78,529	1,019	66,705	1925 ¹	158,213	156,724	1,489	285,732

¹ Value of shipments.² Preliminary.

Source: Bureau of Mines, Department of Commerce.

No. 713.—MANUFACTURED GAS INDUSTRY: MATERIALS USED AND PRODUCTS

[NOTE.—These figures cover establishments engaged primarily in the commercial manufacture of gas to be delivered through mains. Gas produced and consumed within the same establishment, blast-furnace gas, and gas resulting from by-product coke-oven operation are not included]

Material or product	Unit	Quantity (thousands of unit specified)			Cost or value (thousands of dollars)		
		1914	1921	1923	1914	1921	1923
Materials used, total cost.					76,779	202,253	191,120
Coal for gas making.....	Short ton	6,117			20,873		
Anthracite.....	Long ton		1,130	983			
Bituminous.....	Short ton		5,707	6,238			
Oil for gas making.....	Gallon	715,419	158,365	176,764	24,721		
Oil for enriching.....	do.		683,406	697,470			
Gas purchased.....	M feet.	28,351	44,739	90,611	8,883		
Products, total value.					220,238	411,196	450,097
Commercial plants.....					218,481	405,028	443,503
Municipal plants.....					1,757	6,168	6,594
Gas, total.....	M feet.	203,639	306,058	358,554	175,066	372,032	394,503
Coal gas.....	do.	10,510	7,329	7,551	10,727	12,519	12,903
Carbureted water gas.....	do.	90,018	110,053	117,317	74,517	138,513	134,744
Mixed coal and water gas.....	do.	86,281	169,847	208,238	72,012	196,104	220,961
Oil gas.....	do.	16,512	17,656	19,739	15,044	23,612	22,989
Other gas.....	do.	318	1,172	3,709	2,766	1,284	2,849
Coke for sale.....	Ton	2,282	2,031	2,175	8,720	17,503	21,533
Tar for sale:							
Coal gas.....	Gallon	125,939	60,333	58,877	3,253	3,204	3,039
Water gas and oil gas.....	do.		53,433	49,991		2,192	2,001
All other products.....					33,199	16,265	29,018

Source: Bureau of the Census, Department of Commerce.

No. 714.—AVERAGE NET PRICE OF MANUFACTURED GAS

[NOTE.—Net prices for the first 1,000 cubic feet for household use in cities specified in the first section of Table 715]

Date	Actual	Relative	Date	Actual	Relative	Date	Actual	Relative
Apr. 15, 1913.....	\$0.95	100	Apr. 15, 1918.....	\$0.95	100	Mar. 15, 1923.....	\$1.26	133
Apr. 15, 1914.....	.94	99	Apr. 15, 1919.....	1.04	109	Mar. 15, 1924.....	1.27	134
Apr. 15, 1915.....	.93	98	Apr. 15, 1920.....	1.09	115	Dec. 15, 1924.....	1.27	134
Apr. 15, 1916.....	.92	97	May 15, 1921.....	1.32	139	June 15, 1925.....	1.26	133
Apr. 15, 1917.....	.92	97	Mar. 15, 1922.....	1.29	136	Dec. 15, 1925.....	1.26	133

Source: Bureau of Labor Statistics, Department of Labor.

No. 715.—RETAIL PRICES OF GAS IN PRINCIPAL CITIES

[NOTE.—Net prices for the first 1,000 cubic feet of gas for household use, illuminating, cooking, and heating. Service charges are not included.]

City	Apr. 15, 1913	Apr. 15, 1915	Apr. 15, 1917	Apr. 15, 1918	Apr. 15, 1919	Apr. 15, 1920	May 15, 1921	Mar. 15, 1922	Dec. 15, 1922	Dec. 15, 1923	Dec. 15, 1924	Dec. 15, 1925
MANUFACTURED GAS												
Atlanta.....	\$1.00	\$1.00	\$1.00	\$1.00	\$1.15	\$1.15	\$1.90	\$1.65	\$1.65	\$1.55	\$1.55	\$1.55
Baltimore.....	.90	.80	.75	.75	.75	.75	.75	.92	.92	.85	.85	.85
Birmingham.....	1.00	.95	.95	.95	.95	.95	.88	.88	.80	.80	.80	.80
Boston.....	.82	.80	.80	.85	1.02	1.07	1.42	1.34	1.30	1.25	1.20	1.18
Bridgeport.....	1.00	1.00	1.00	1.00	1.10	1.10	1.30	1.60	1.50	1.50	1.45	1.45
Buffalo.....	1.00	1.00	1.00	1.00	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45
Butte.....	1.50	1.50	1.50	1.50	1.50	1.50	2.10	2.10	2.10	2.10	2.10	2.10
Charleston.....	1.10	1.10	1.00	1.10	1.10	1.25	1.55	1.55	1.55	1.55	1.55	1.55
Chicago.....	.80	.80	.80	.76	.94	.90	1.29	1.20	1.20	1.17	1.17	1.17
Cleveland.....	.80	.80	.80	.80	.80	.80	.80	.80	.80	1.25	1.25	1.25
Denver.....	.85	.80	.80	.85	.95	.95	.95	.95	.95	.95	.95	.95
Detroit.....	.75	.75	.75	.75	.75	.79	.85	.79	.79	.79	.79	.79
Fall River.....	.80	.80	.80	.95	.95	1.05	1.25	1.15	1.15	1.15	1.15	1.15
Houston.....	1.00	1.00	1.00	1.00	1.00	1.09	1.09	1.09	1.09	1.09	1.09	1.05
Indianapolis.....	.60	.55	.55	.55	.60	.60	.90	.90	³ 1.20	³ 1.15	³ 1.10	³ 1.10
Jacksonville.....	1.20	1.15	1.15	1.25	1.25	1.50	1.75	1.75	1.65	2.40	2.40	2.40
Manchester.....	1.10	1.00	1.00	1.00	1.10	1.10	⁴ 1.50	⁴ 1.40	⁴ 1.40	⁴ 1.40	⁴ 1.30	⁴ 1.30
Memphis.....	1.00	1.00	1.00	1.00	1.00	1.10	1.35	1.35	1.20	1.20	1.20	1.20
Milwaukee.....	.75	.75	.75	.75	.75	.75	.90	.90	.98	.95	.95	.95
Minneapolis.....	.85	.80	.77	.77	.95	.95	1.28	1.02	.99	1.01	.98	.93
Mobile.....	1.10	1.10	1.10	1.10	1.35	1.35	1.80	1.80	1.80	1.80	1.80	1.80
Newark.....	1.00	.90	.90	.97	.97	1.15	1.40	1.40	1.25	1.25	1.20	1.20
New Haven.....	.90	.90	.90	1.00	1.10	1.10	1.10	1.10	1.45	1.45	1.45	1.40
New Orleans.....	1.10	1.00	1.00	1.00	1.30	1.30	1.30	1.45	1.30	1.30	1.30	1.30
New York.....	.84	.83	.83	.83	.85	.87	⁶ 1.36	⁶ 1.28	⁶ 1.21	⁶ 1.23	⁶ 1.23	⁶ 1.23
Norfolk.....	1.00	1.00	1.00	1.20	1.20	1.60	1.40	1.45	1.35	1.30	1.40	1.40
Omaha.....	1.15	1.15	1.00	1.15	1.15	1.15	1.53	1.40	1.35	1.30	1.35	1.25
Peoria.....	.90	.90	.85	.85	.85	.85	1.20	1.20	1.20	1.20	1.20	1.20
Philadelphia.....	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Pittsburgh.....	1.00	1.00	1.00	1.00	1.00	(?)						
Portland, Me.....	1.10	1.00	1.00	1.00	1.40	1.40	1.85	1.75	1.55	1.55	1.55	1.55
Portland, Oreg.....	.95	.95	.95	.95	.95	.95	1.67	1.50	1.43	1.43	1.43	1.43
Providence.....	.85	.85	.85	1.00	1.30	1.30	¹ 1.25	¹ 1.25	¹ 1.15	¹ 1.05	¹ 1.05	¹ 1.00
Richmond.....	.90	.90	.80	.80	1.00	1.00	1.30	1.30	1.30	1.30	1.30	1.30
Rochester.....	.95	.95	.95	.95	.95	.95	⁸ 1.05	1.10	1.05	1.00	1.00	1.00
St. Louis.....	.80	.80	.75	.75	.75	.85	1.05	1.05	1.05	1.00	1.00	1.00
St. Paul.....	.95	.90	.85	.85	.85	.85	1.00	1.00	1.00	.85	.85	.85
Salt Lake City.....	.90	.90	.90	.90	1.10	¹ 1.30	¹ 1.52	¹ 1.52	¹ 1.52	¹ 1.52	¹ 1.52	¹ 1.52
San Francisco.....	.75	.85	.85	.85	.95	.95	1.05	1.04	.92	.92	1.00	.95
Savannah.....						1.25	1.60	1.00	1.45	1.45	1.45	1.45
Scranton.....	.95	.95	.95	1.15	1.30	1.30	1.70	1.70	1.60	1.60	1.50	1.50
Seattle.....	1.00	1.00	1.00	1.25	1.25	1.55	1.55	1.55	1.55	1.55	1.55	1.55
Springfield, Ill.....	1.00	1.00	1.00	1.00	1.10	1.10	1.40	1.40	1.40	1.35	1.35	1.35
Washington, D. C.....	.93	.93	.80	.90	.95	.95	1.25	1.10	1.05	1.00	1.00	1.00
NATURAL GAS												
Buffalo.....	.30	.30	.30	.30	.35	.35	.35	.42				
Cincinnati.....	.30	.30	.30	.35	.35	.35	.35	.50	.50	.50	.50	.75
Cleveland.....	.30	.30	.30	.30	.35	.35	.35	.40	1.45	1.45	1.45	1.50
Columbus.....			.30	.30	.30	.30	.30	.45	.45	.45	.45	.55
Dallas.....	.45	.45	.45	.45	.45	.45	.68	.68	.68	.68	.68	1.01
Kansas City, Mo.....	.27	.27	.30	.60	.80	.80	1.80	1.80	1.85	1.85	1.29	1.29
Little Rock.....	.40	.40	.40	.40	.45	.45	.45	.45	1.55	1.55	1.55	1.55
Louisville.....		.65	.65	.65	.65	.65	.65	.65	.65	.65	.65	.65
Pittsburgh.....	.28	.28	.28	.35	.35	.35	.45	.50	.50	.50	⁹ .60	⁹ .60
MIXED GAS												
Los Angeles.....		.68	.68	.68	.75	.75	.75	.76	.60	.68	.68	.68
Buffalo.....									¹⁰ .62	¹⁰ .61	.60	.60

1 Plus 60 cents per 1,000 cubic feet per month.
 2 Minimum bill, \$1 to those using 1,200 cubic feet or less per month.

3 The rate was increased from 90 cents by order of the Federal court and is subject to final decision by the same court. Pending the decision this increase has been impounded.

4 Plus 25 cents per month service charge.

5 The prices of two companies included in this average have an additional service charge of 2½ cents per day.

6 The price of one company included in this average has an additional service charge of 2½ cents per day.

7 Sale of manufactured gas discontinued.

8 Plus 40 cents per month service charge.

9 Minimum bill, \$1.

10 Price includes a coal charge.

Source: Bureau of Labor Statistics, Department of Labor.

Industry and product	Unit	Quantity (thousands of unit specified)			Value (thousands of dollars)		
		1914	1921	1923	1914	1921	1923
BRICK, TILE, AND TERRA-COTTA, FIRE-CLAY, AND OTHER CLAY PRODUCTS, AND NONCLAY RE- FRACTORIES. ¹							
All products, total value.....					129, 583	195, 600	533, 884
Brick:							
Common.....	Number	7, 145, 809	4, 447, 987	7, 282, 181	43, 764	57, 096	94, 473
Vitrified.....	do.	931, 324	581, 946	699, 269	12, 501	12, 870	15, 570
Face.....	do.	810, 395	873, 346	1, 931, 175	9, 230	18, 123	38, 892
Enameled.....	do.	(²)	12, 712	19, 502	(³)	1, 204	1, 671
Drain tile.....	Ton	(²)	976	616	5, 522	5, 368	5, 100
Sewer pipe.....	do.	(²)	1, 359	1, 778	14, 015	22, 155	20, 103
.....	do.	(²)	68	138	5, 088	4, 069	16, 486
.....	do.	(²)	2, 018	3, 765	5, 885	14, 841	28, 276
.....	Squares	(²)	132	231		2, 314	4, 022
.....	Sq. ft.	(²)	7, 794	13, 320		2, 383	3, 051
.....							
Ceramic mosaic (vitreous and semivitreous).....	do.	(²)	10, 572	20, 976	5, 705	2, 568	4, 986
.....	do.	(²)	1, 045	1, 865		902	1, 580
.....	do.	(²)	10, 946	26, 301		4, 393	10, 166
.....	do.	(²)	(²)	55	521	800	1, 219
All other clay products.....		816, 784	621, 009	1, 134, 223	16, 428	24, 833	46, 677
Silica brick.....	Number	(²)	104, 990	258, 388	(²)	5, 221	12, 855
All other products.....					4, 304	3, 789	11, 647
POTTERY ¹							
All products, total value.....					35, 398	64, 698	114, 951
Red earthenware (flower pots, etc.).....		(²)	(²)	(²)	1, 060	2, 030	2, 458
.....		(²)	(²)	(²)	3, 349	4, 921	4, 740
.....		(²)	(²)	(²)	14, 968	29, 744	38, 696
granite, semiporcelain, and semivitreous porcelain.							
Porcelain china, bone china, delft, and Belleek ware.....		(²)	(²)	(²)	2, 385	4, 262	1, 923
Hotel china.....					(²)	7, 883	9, 761
Sanitary ware, bathtubs, wash- tubs, etc. ⁶		(²)	(²)	(²)	7, 874	15, 303	28, 049
Porcelain electrical supplies ⁴		(²)	(²)	(²)	4, 130	14, 331	21, 248
Saggars.....		(²)	(²)	(²)	(²)	1, 927	1, 870
All other products.....					1, 632	4, 287	6, 200
GLASS ⁶							
All products, total value.....					123, 085	213, 471	309, 353
Building glass.....							
Window glass.....	Sq. ft.	400, 999	260, 065	510, 215	36, 824	68, 951	121, 760
Obscured glass, including cathedral and sky light.....	do.	43, 040	20, 002	46, 376	17, 496	24, 026	42, 623
Plate glass, total cast.....	do.	75, 770	79, 966		2, 417	2, 547	5, 114
Polished.....	do.	60, 384	56, 239	94, 470	14, 774	37, 261	66, 103
Rough, for sale as such.....	do.	132	712	2, 806	26	107	501
Wire glass.....							
Polished.....	do.	1, 708	2, 211	2, 805	534	1, 209	1, 652
Rough, for sale as such.....	do.	13, 981	13, 949	28, 502	1, 057	2, 108	3, 882
All other building glass.....	do.				520	1, 694	1, 885
Pressed and blown glass ⁷					30, 279	55, 718	77, 279
Bottles and jars ⁸					51, 959	85, 744	107, 291
All other products.....					4, 023	3, 053	3, 024

² No data.

4-7-8

[illegible]

• **Leads to:**

1. *Pharmaceuticals*
 2. *Medical Devices*

Source: B

Source: Bureau of the Census, Department of Commerce.

No. 717.—PRODUCTION OF PRINCIPAL BURNED-CLAY BUILDING MATERIALS

Year	Brick (millions)			Value (thousands of dollars)							
	Common	Vitrified ¹	Face	Brick			Architectural terra cotta	Hollow building tile	Tile (not drain)	Sewer pipe	Fire brick
				Common	Vitrified ¹	Face					
1913.....	6,089	959	828	50,135	12,138	9,614	7,733	8,620	6,109	14,872	16,811
1914.....	7,147	931	810	43,770	12,501	9,290	6,088	8,385	5,706	14,015	13,476
1915.....	6,851	953	856	42,145	12,231	9,536	4,796	7,801	5,186	11,259	15,800
1916.....	7,394	942	1,003	49,357	12,237	11,465	6,466	9,943	6,475	13,577	24,437
1917.....	5,865	707	758	47,936	10,665	10,391	6,174	13,255	6,821	17,307	42,502
1918.....	3,557	403	356	38,782	7,145	6,095	2,659	13,037	5,082	15,334	51,648
1919.....	4,752	439	701	63,585	11,615	16,033	3,988	17,965	8,137	16,755	38,016
1920.....	4,852	468	787	82,210	12,679	19,441	10,852	27,112	12,470	25,371	53,416
1921.....	4,448	562	873	67,096	12,870	18,128	9,068	14,841	12,560	22,155	24,833
1922.....	5,899	517	1,417	72,613	10,816	23,234	12,410	19,708	16,597	23,600	31,357
1923.....	7,282	699	1,931	94,473	15,570	38,892	16,486	28,275	23,804	29,103	46,677
1924.....	7,159	554	2,030	86,692	12,974	39,931	16,446	24,998	24,842	32,400	40,621

¹ Vitrified brick or block.

Sources: Bureau of the Census and Bureau of Mines, Department of Commerce.

No. 718.—ACCIDENTS IN INDIVIDUAL MINERAL INDUSTRIES IN 1924

Branch of mineral industry	Average days active	Number employed		Days of labor performed	Number killed	Number injured	Number per thousand 300-day workers	
		Actual number	Equivalent in 300-day workers				Killed	Injured
Coal mines.....	192	779,613	499,897	149,968,980	2,396	(1)	4.79	-----
All metal mines.....	290	123,128	119,113	35,734,008	418	33,118	3.51	278.04
Copper mines.....	315	32,477	34,092	10,227,645	121	11,858	3.55	347.82
Gold and miscellaneous metal mines.....	293	29,718	29,043	8,712,931	145	8,649	4.99	297.80
Iron mines.....	269	36,629	32,839	9,851,755	97	4,959	2.95	151.01
Lead and zinc mines (Mississippi Valley).....	290	12,734	12,319	3,695,664	34	5,718	2.76	464.16
Nonmetallic mineral mines.....	281	11,570	10,820	3,246,013	21	1,934	1.94	178.74
All quarries (including outside works).....	269	94,242	84,426	25,327,858	138	14,777	1.63	175.03
Cement-rock quarries.....	328	12,519	13,694	4,108,087	31	2,316	2.26	169.13
Granite quarries.....	250	12,153	10,111	3,033,257	12	1,979	1.19	195.73
Limestone quarries.....	265	48,391	42,752	12,825,631	70	7,421	1.64	173.58
Marble quarries.....	298	5,764	5,717	1,715,259	7	754	1.22	181.89
Sandstone and bluestone quarries.....	235	5,430	4,258	1,277,432	8	720	1.88	169.09
Slate quarries.....	258	4,114	3,538	1,061,315	2	566	.57	159.98
Trap-rock quarries.....	223	5,871	4,356	1,306,877	8	1,021	1.84	234.39
All quarries (excluding outside works).....	256	59,126	50,506	15,151,796	96	8,990	1.90	178.00
All quarries (outside works only).....	290	35,116	33,920	10,176,062	42	5,787	1.24	170.61
Metallurgical plants:								
Ore-dressing plants.....	307	15,735	16,093	4,828,014	20	2,511	1.24	156.03
Smelters.....	352	24,941	29,231	8,789,224	16	3,293	.55	112.65
Auxiliary works.....	341	15,520	17,624	5,287,225	19	2,422	1.08	137.43
All coke ovens.....	303	20,451	20,881	6,204,448	24	1,645	1.16	79.54
Beehive coke ovens.....	187	6,450	4,025	1,207,549	3	457	.75	113.54
By-product coke ovens.....	357	14,001	16,656	4,996,899	21	1,188	1.26	71.33
Total, 1924.....	220	1,073,630	787,065	236,119,757	3,031	57,766	3.85	201.16
Total, 1923.....	222	1,163,894	852,145	255,645,525	3,071	59,570	3.80	203.91

¹ Not available.

Source: Bureau of mines, Department of Commerce.

No. 719.—ACCIDENTS IN MINERAL INDUSTRIES: BY CAUSES

Class of plants and cause	1915	1920	1921	1922	1923	1924	1925
Coal-mine fatalities	2,269	2,271	1,987	1,979	2,458	2,396	2,230
Falls of roof (coal, rock, etc.).....	919	1,004	924	785	1,051	941	975
Falls of face or pillar coal.....	160	128	100	120	111	121	103
Mine cars and locomotives.....	409	462	366	373	450	400	384
Explosions of gas or coal dust.....	304	164	116	311	372	586	345
Falls of persons.....	155	128	152	92	114	100	102
Explosions of dynamite.....	99	63	97	83	83	97	100
Explosions of other explosives.....	38	62	34	40	49	37	45
Other causes.....	1	8	9	—	—	2	10
Railway cars and locomotives.....	40	56	36	41	46	29	34
Other causes.....	14	24	20	22	24	20	16
Other causes.....	130	142	133	112	158	113	116
Metal-mine fatalities	553	425	299	344	367	418	(?)
Falls or slides of rock or ore.....	203	142	72	105	111	131	—
Rock or ore (underground loading).....	10	9	2	3	2	8	—
Explosives.....	78	57	23	30	42	52	—
Haulage.....	48	51	21	37	62	58	—
Falls.....	88	45	40	48	50	44	—
Run.....	12	7	6	7	6	4	—
Machinery.....	10	18	6	11	11	9	—
Other causes.....	14	18	4	7	12	13	—
Machinery.....	3	7	5	48	7	7	—
Other causes.....	43	32	24	28	31	16	—
Other causes.....	44	39	26	20	33	76	—
Quarry fatalities	148	178	120	132	143	138	(?)
Falls or slides of rock or overburden.....	45	33	20	25	31	26	—
Explosives.....	28	36	17	36	12	16	—
Haulage.....	18	42	17	15	28	23	—
Falls of persons.....	17	13	11	7	16	16	—
Machinery.....	13	19	18	24	21	20	—
Drilling and channeling.....	1	2	1	1	—	1	—
Other causes.....	20	33	36	24	35	36	—

	Killed				Injured			
	1915	1923	1923	1924	1915	1923	1923	1924
Smelting plants	38	16	17	16	5,718	3,002	3,487	3,293
Haulage system (cars, motors, etc.).....	10	2	2	4	529	206	230	171
Railway cars and locomotives.....	2	1	1	2	61	53	102	99
Cranes.....	2	—	—	—	58	40	40	43
Other machinery.....	5	1	2	1	290	121	124	123
Falls of persons.....	3	5	3	1	499	227	243	230
Falls of persons.....	1	1	1	2	914	459	541	567
Falls of persons.....	3	2	1	3	894	568	601	730
Falls of persons.....	1	—	3	1	160	62	128	104
Other causes.....	11	4	4	2	2,313	1,266	1,382	1,226
Ore-dressing plants	30	12	24	20	2,095	1,984	2,549	2,611
Haulage system (cars, motors, etc.).....	3	—	2	1	106	116	144	91
Railway cars and locomotives.....	2	—	3	1	17	54	93	41
Crushers, rolls, or stamps.....	5	—	—	1	129	90	182	108
Other machinery.....	7	5	5	5	299	223	340	232
Falls of persons.....	6	1	5	3	249	197	259	324
Flying or falling objects (rocks, timbers, etc.).....	—	—	—	1	268	379	236	250
Electricity.....	3	1	1	2	38	37	26	35
Other causes.....	1	3	6	2	986	883	1,231	1,424
Coke ovens	38	20	45	24	2,852	1,710	2,593	1,645
Cars, lorries, and motors.....	10	8	15	6	123	146	231	131
Railway cars and locomotives.....	4	4	2	—	139	20	34	27
Coke-drawing machines.....	2	1	1	5	96	70	96	32
Falls of persons.....	4	5	6	2	387	247	405	218
Hand tools.....	—	—	—	—	322	149	247	115
Burns.....	7	3	8	1	349	240	375	199
Falling objects.....	(?)	2	3	5	(?)	225	321	189
Other causes.....	14	8	11	9	1,439	618	922	740

¹ Includes premature blasts, explosion of misfires, suffocation by gas from explosives, flying pieces from blasts, etc.

² Not available.

³ Not segregated.

Source: Bureau of Mines, Department of Commerce.

No. 720.—ACCIDENTS IN MINERAL INDUSTRIES: BY GROUPS OF INDUSTRIES

Year	Number employed		Killed	Injured						
	Actual number	Equivalent in 300-day workers		Total non-fatal	Temporary			Permanent		
					Total	1 to 14 days	More than 14 days	Partial disability	Total disability	
All metal mines:										
1915	152,118	141,997	553	35,295	34,686	27,444	7,242	574	35	
1919	145,262	134,871	468	31,506	31,178	23,330	7,848	321	7	
1920	136,583	134,540	425	32,562	32,205	24,311	7,894	345	12	
1921	93,929	74,510	230	18,604	18,424	13,607	4,817	173	7	
1922	105,697	97,138	344	26,080	25,840	19,330	6,510	231	9	
1923	123,279	121,866	367	33,563	33,120	24,598	8,531	414	20	
1924	123,128	119,113	418	33,118	32,706	24,308	8,398	402	10	
All quarries:										
1915	100,740	82,447	148	9,671	9,148	7,783	1,365	507	16	
1919	75,605	63,794	123	9,199	8,951	7,339	1,612	225	23	
1920	86,488	77,089	178	10,217	10,880	8,987	1,893	327	10	
1921	77,185	60,958	120	10,465	10,126	8,230	1,896	330	9	
1922	79,081	68,861	132	11,839	11,442	9,300	2,142	377	20	
1923	92,456	85,163	143	14,990	14,547	11,980	2,567	431	12	
1924	94,242	84,426	138	14,777	14,307	11,599	2,708	457	13	
Metallurgical plants:										
1915	80,201	58,596	83	15,080	14,863	11,420	3,443	200	17	
1919	61,120	64,358	64	8,126	8,053	6,184	1,869	71	2	
1920	59,232	65,587	61	8,863	8,714	6,724	1,990	147	2	
1921	33,430	30,549	27	4,494	4,456	3,431	1,025	38	-----	
1922	44,000	46,008	45	6,678	6,600	4,975	1,625	76	2	
1923	53,871	59,499	58	8,424	8,260	6,021	2,239	163	1	
1924	56,196	62,948	55	8,226	8,132	5,949	2,183	90	4	
All coke ovens:										
1915	31,603	34,119	45	5,237	5,154	4,468	686	81	2	
1919	28,741	27,674	53	4,031	3,908	3,118	790	121	2	
1920	28,139	29,921	49	3,415	3,336	2,614	722	76	3	
1921	16,204	13,868	17	1,853	1,829	1,511	318	24	-----	
1922	19,278	18,236	20	1,710	1,674	1,287	387	35	1	
1923	23,729	25,027	45	2,593	2,517	1,892	625	71	5	
1924	20,451	20,681	24	1,645	1,607	1,176	431	38	-----	

Year	Number employed		Killed	Year	Number employed		Killed
	Actual number	Equivalent in 300-day workers			Actual number	Equivalent in 300-day workers	
Coal mines:				Coal mines—Con.			
1911	723,348	534,122	2,656	1921	823,253	474,743	1,987
1915	734,008	511,698	2,269	1922	844,807	405,507	1,979
1916	720,971	565,766	2,225	1923	860,560	560,000	2,458
1919	770,569	542,217	2,317	1924	779,613	499,896	2,396
1920	784,602	601,097	2,271	1925			2,230

¹ Includes loss of one foot, leg, hand, eye, one or more fingers or toes, any dislocation where ligaments are severed, or any other injury known in surgery to be permanent partial disability.

² Permanent total disability: Loss of both legs or arms, one leg and one arm, total loss of eyesight, paralysis, or other condition permanently incapacitating workman from doing any work of a gainful occupation.

Source: Bureau of Mines, Department of Commerce.